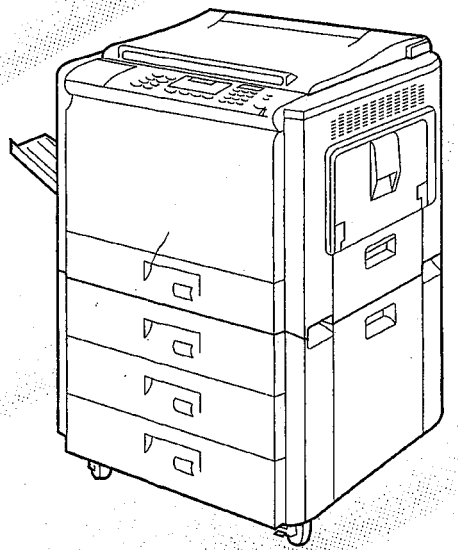
ORDER NO. OED9506299C8

Service Manual

Plain Paper Copier

FP-7117
FP-7121
FP-7127
FP-7133
FP-7140



Panasonic

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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NOTE:
This supplement explains in detail the new functions introduced in the FP-7117, 7121, 7127, 7133 and 7140. This manual does not contain descriptions of functions which are already described and unchanged in the "80" series service manual. For those items not covered in this supplement, please refer to the appropriate 80 series Service Manual.

Basic comparison

<80 SERIES>		<71 SERIES>
FP-1680	⟷	None
FP-1780	⟷	FP-7117
FP-2080	⟷	FP-7121
FP-2680	⟷	FP-7127
FP-3280	⟷	FP-7133
FP-4080	⟷	FP-7140

Service Manual
Contents/Index

1. Specifications S1
2. New functions S3
3. Changes S6
   3-1. List of changes from 80 series to 71 series.
   3-2. PCB comparison between 80 series and 71 series.
4. Service mode S12
   Addition or changed items only.

For Sweden, and Denmark

SPECIALSÄKRING: ENDAST AV APPARATFABVRIKANTEN LEVERERAD SÄKRING FÅR ANVÄNDAS.

VARNING!
Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion.

ADVARSEL!
Lithiumbatteri—Eksplosionsfare ved fejlagtig håndtering. Udskiftning må kun ske med batteri af samme fabrikat og type. Lever det brugte batteri tilbage til leverandoren.

CAUTION!
Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

For U.K.

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.
This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 13 amp fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 13 amps and that it is approved by ASTA or BSI to BS 1362.
Check for the ASTA mark or the BSI mark on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local Panasonic Dealer.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR OFFICE THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSE OF SAFELY.
THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.
If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.

Important

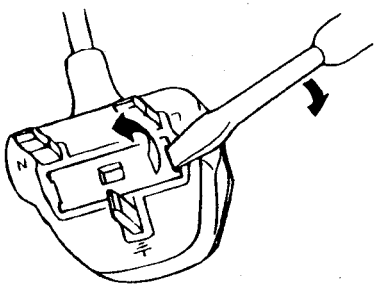
WARNING: THIS APPLIANCE MUST BE EARTHED.

IMPORTANT: The wires in this mains lead are coloured in accordance with the following code:

Green and Yellow	: Earth
Blue	: Neutral
Brown	: Live

As the colours of the wires in the main lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, procdeed as follows:
The wire which is coloured green and yellow must be connected to the terminal in the plug which is marked by letter E or by the safety Earth symbol "⏚" or coloured green or green and yellow.
The wire which is coloured blue must be connected to the terminal in the plug which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal in the plug which is marked with the letter L or coloured red.

How to replace the fuse.
Open the fuse compartment with a screwdriver and replace the fuse.



1. Specifications

1. Type: Desk top
2. Copy process: Electrostatic photographic method
3. Development process: Two component magnetic brush
4. Maximum original size: A3 (297 mm x 420 mm)

5. Copy speed:

(copies/minute)	FP-7117	FP-7121	FP-7127	FP-7133	FP-7140
A3 size	10	12	18	18	24
B4/FLS size	11	14	20	21	27
A4 size	17	21	27	33	40
A4 R size	13	17	23	24	32
A5 size	17	21	27	33	40

6. First copy time:

(A4 size)	FP-7117	FP-7121	FP-7127	FP-7133	FP-7140
without Auto mode	9.5 sec.	8.5 sec.	5.5 sec.	5.5 sec.	3.8 sec.
with Auto mode	13.0 sec.	10.0 sec.	8.0 sec.	8.0 sec.	5.0 sec.

7. Copy ratio:
   Enlargement (fixed)
   1 : 2.00, 1 : 1.73, 1 : 1.41, 1 : 1.22, 1 : 1.15
   Reduction (fixed)
   1 : 0.87, 1 : 0.82, 1 : 0.71, 1 : 0.58, 1 : 0.50
   Zoom : 2.00 ~ 0.50 (1% step)

8. Copy size:

A3	(297 mm x 420 mm)
B4	(257 mm x 364 mm)
Foolscap	(216 mm x 330 mm)
A4	(297 mm x 210 mm)
A4 R	(210 mm x 297 mm)
A5	(148 mm x 210 mm)

9. Paper capacity: 250 sheets per paper tray (front loading)
   50 sheets multi sheet by pass
10. Paper feed: Push button automatic paper tray + sheet by pass
11. Paper exit tray capacity: 100 sheets
12. Paper weight: 60 to 90 g/m^2
13. Continuous copying: 1 – 99 automatic reset to 1 (FP-7117)
    1 – 999 automatic reset to 1 (FP-7121, 7127, 7133, 7140)
14. Fusing system: Heat and pressure
15. Photoreceptor: Organic Photoconductor (OPC)
16. Exposure control: 7 step digital + Photo/Auto button

17. Warm up time:

	FP-7117	FP-7121	FP-7127	FP-7133	FP-7140
(Approximately)	80 sec.	85 sec.	130 sec.	130 sec.	210 sec.

18. Optical system: Conventional internal scan
19. Misfeed indication: LCD display (FP-7133, 7140)
    LED display (FP-7117, 7121, 7127)
20. Toner supply: Automatic
21. Power consumption: Max. 1.5 kW
22. Power source: 220–240V, 50 Hz
23. Dimensions:
    FP-7117/7121 640(W) x 633(D) x 463(H) mm
    FP-7127/7133/7140 665(W) x 633(D) x 463(H) mm
24. Weight:
    FP-7117/7121 Approximately 61 kg
    FP-7127/7133 Approximately 64 kg
    FP-7140 Approximately 67 kg
25. Ambient conditions:
    Temperature : 10°C to 30°C
    Relative humidity : 30% to 80%
26. Accessories:
    Exit tray
    Drum
    Document bag

*Specifications are subject to change without notice.

2. New functions

2-1. Power saving mode

71 Series models incorporate a function for power saving while copier is not in use.

		Electric energy				
		FP-7117	FP-7121	FP-7127	FP-7133	FP-7140
Wait, Ready	approximately	130 Wh	130Wh	186 Wh	186 Wh	186 Wh
Power Saving mode	approximately	13 Wh	13 Wh	13 Wh	15 Wh	15 Wh

(Wh = Watt hour)

Power Consumption

1. Power Saving mode
   Control Panel Indicator off
   (Power indicator: on)
   (Print key: on, green)
   (Digit display: on)
   24V Power Supply goes down to 10V
   Fuser lamp off

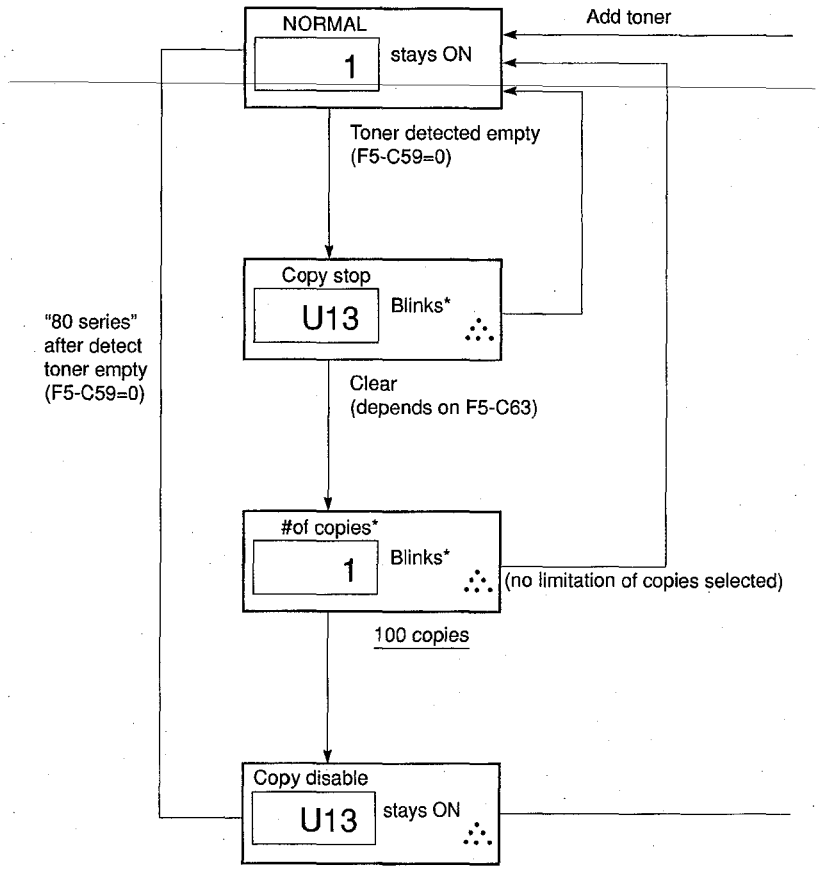
2. F5-13 Service Selectable
   Service person can adjust the time which power saving function works.
   0 : None
   1 : 5 min. 4 : 1 hr
   2 : 10 min. 5 : 2 hr
   3 : 30 min. 6 : 3 hr

3. How to return to normal operation mode.
   Press any key on control panel

4 The copier automatically enters the power-saving mode at a Service-selectable time after the power switch is turned on (and the copier reaches "Ready"), or after a copy cycle is completed.

NOTE: Power-Saving mode is disabled if the copier is out of paper, if in Service Mode, or in a "Jam" or "Error" ("U" or "E" code) condition.

2-2. Add toner indication (U13)



*=New with 71 series.

NOTE: When F5-C59 is set to 0, and toner empty is detected, "U13" blinks in the "Copies" display.
After "U13" begins blinking, a total of 100 more meter counts are available (100 copies in single-click or 50 in double-click selection) until the copier is disabled.
(In service mode, use of the copier is not disabled.)

2-3. PCF choice function

(Copy density sensor reading)

F5 -C25	function
0	Not detecting on service mode only
1	Detecting (ON)
2	Factory use only
3*	Not detecting (OFF)

*New code

NOTE: Automatically set to PCF ON (F5-25=1) when changed to normal mode from service mode.

PCF Initialization Timing

1. When power is turned ON, or
2. after any covers are opened and closed,
   (but only if more than four hours have passed since last PCF operation), or
3. after every 1,000 copies,
   (after F8 – 09, PCF operates after 200, then 600, then every 1,000 copies), or
4. after returning from Power-Saving mode (if more than four hours have passed since last PCF operation)

2-4. Shorter time to use F8

(F8 is now available during the fuser heat up time [H/UP])

	80 SERIES		71 SERIES	
	function	before H/UP	function	before H/UP
C00	○	X	○	○
C08	○	X	○	○

○ = able to use
X = not able to use

3. Changes

3-1. List of changes from 80 series to 71 series

Item		FP-7117	FP-7121	FP-7127	FP-7133	FP-7140
Mechanical Improvement						
New Cosmetic Design	Flat front Covers	○	○	○	○	○
	Blue Stripe	○	○	○	○	○
FA-A501 Adaptable		○	○	○	○	○
Staple Sorter Adaptable	Special Function sheet change	○	○	○	○	○
Less Paper Jams	Cassette change	○	○	○	○	○
Improvement of Cassette (Smooth Insertion)	Sliders are added on cassette and frame	○	○	○	○	○
Lower Noise Level	Optics stepping motor anti-vibration damper	○	○	○	○	○
Enclosure material improvement	Flammability Improvement	○	○	○	○	○
Waste Toner Sensor		○*	○	○	○	○
Software Improvement						
Copy speed		<17>	20 → 21	26 → 27	<33>	<40>
Power Saving Mode (F5-13)		○	○	○	○	○
Jam History		10 → 30	<30>	10 → 30	10 → 30	10 → 30
Job Memory		0 → 1	<1>	<2>	<2>	<2>
Department Counter		20 → 30	<30>	20 → 30	20 → 30	20 → 30
F5-25 protection	Automatically set to PCF ON F5-25 = "1"	○	○	○	○	○
Paper returning time adjustment (F6-65, 66, 67)	Paper returning time after last paper feeding can be adjusted for cassettes in system stand.	○	○	○	○	○
		(1step=1.5mm)	(1step=2mm)	(1step=1.5mm)	(1step=1.5mm)	(1step=2mm)

* Wiring is the same as in the FP-1680

3-2. PCB comparison between 80 series and 71 series

PCB Comparison between 80 and 71 series

PCB	Comparison		
	Engineering change	Interchange-ability code	Spare parts
LVPS	More stable DC output	B	Same as prod.
Surge	Addition of surge absorber PCB Durability improvement	E	Same as prod.
Control Panel (1), (2)	Indication and function change	Refer to attached sheet	80 series PCB may be used in 71 series.
CPU	Optics motor torque change (only 7117)	B	7117 CPU may be used in 1680/1780.*
P-ROM	Fully interchangeable with 80 series except 7117		
	Function change	D	Same as prod.
AC Driver	Same as 80 series		
HVPS (1)	Same as 80 series		
HVPS (2)	Same as 80 series		

*But not 1680/1780 in 7117

Interchangeability Code

	Parts/Set Production	
A	Original → Eartly New → Late	Original or new parts may be used in early or late production sets. Use original parts until exhausted, then stock new parts.
B	Original → Eartly New → Late	Original parts may be used in early production sets only. New part maybe used in early or late production sets. Use original part where possible, then stock new parts.
C	Original → Eartly New → Late	New parts may only be used in early or late production sets. Stock new parts
D	Original → Eartly New → Late	Original parts may only be used in early production. New parts may only be used in late production. Stock both original and new parts.
E	Others	

PCB Interchangeability

Model	Control Panel (1)						
	FFPWB0469	FFPWB0563	FFPWB05061	FFPWB0506	FFPWB05064	FFPWB05066	FFPWB05068
FP-1680	Pro	×	×	×	×	×	×
FP-1780	×	Pro	×	×	×	×	×
FP-2080	×	×	Pro	×	×	×	×
FP-2680	×	×	Pro	×	×	×	×
FP-3280	×	×	×	Pro	×	×	×
FP-4080	×	×	×	Pro	×	×	×
FP-7117	×	×	○	×	Pro	×	×
FP-7121	×	×	○	×	Pro	×	×
FP-7127	×	×	○	×	×	Pro	×
FP-7133	×	×	×	○	×	×	Pro
FP-7140	×	×	×	○	×	×	Pro

Pro = Used in production
○ = Interchangeable (same as production)
× = Not interchangeable

(Example) • FFPWB05061
Used in production for 2080/2680 +
Interchangeable (in both directions)
with 7117/7121/7127.

PCB Interchangeability

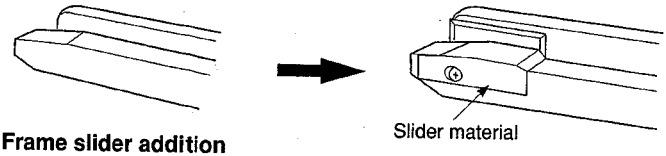
Model	Control Panel (2)					
	FFPWB0470	FFPWB05073	FFPWB05075	FFPWB05071	FFPWB0507	FFPWB05077
FP-1680	Pro	×	×	×	×	×
FP-1780	×	Pro	×	×	×	×
FP-2080	×	×	Pro	×	×	×
FP-2680	×	×	×	Pro	×	×
FP-3280	×	×	×	×	×	×
FP-4080	×	×	×	×	×	×
FP-7117	×	×	○	×	×	Pro
FP-7121	×	×	○	×	×	Pro
FP-7127	×	×	×	Pro	×	×
FP-7133	×	×	×	○	Pro	×
FP-7140	×	×	×	○	Pro	×

Pro = Used in production
○ = Interchangeable (same as production)
× = Not interchangeable

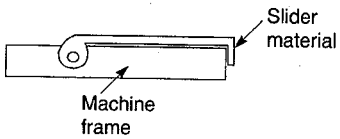
3-3. Mechanical Improvement

1. Improvement of cassette (smoother insertion of 250/500 sheet cassette)

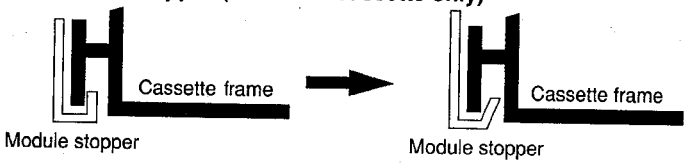
1-1: Cassette slider addition



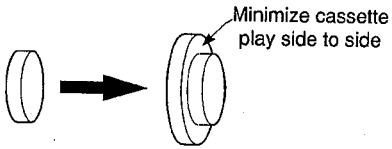
1-2: Frame slider addition



1-3: Cassette stopper (500-sheet cassette only)



1-4: Cassette guide roller (500-sheet cassette only)

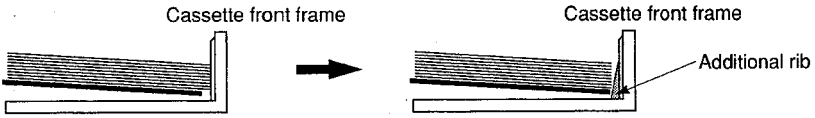


Cassette resistance comparison

	Current Cassette With paper full (A3)	Improved Cassette With paper full (A3)
Machine 250 Cass	3.2 kg	2.9 kg
System 250 Cass	3.9 kg	2.8 kg
System 500 Cass	4.2 kg	3.3 kg
DS-13 250 Cass	3.7 kg	3.0 kg

2. Improvement for reduced paper jams

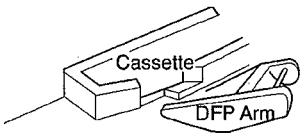
2-1. To reduce paper lifting pressure loss

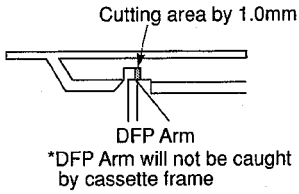


	Current cassette	Improved cassette
(1) When paper is loaded all the way against cassette front wall	600 grams	550 grams
(2) When paper is loaded without touching cassette front wall	550 grams	550 grams

Changes

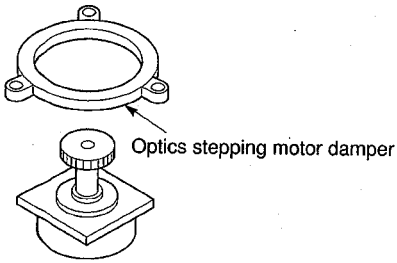
2-2. To assure DFP pressure (Machine 250 cassette)





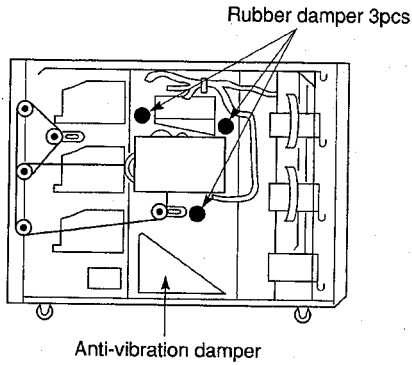
3. Lower noise level

3-1: Optics return noise



3-2: System stand operation noise

1) Rubber damper on main drive motor.
2) Addition of anti-vibration damper.
3) Bearing at middle roller.



4. Service mode (changed or added item only)

4-1. F4 (When FA-A501 is installed.)

Code	Function	Condition	Indicator
17	ADF Main motor sensor (Encoder Sensor)	Encoder sensor is turned ON.	↓ ↑
			□ □
		Encoder sensor is turned OFF.	↓ ↑
			□

4-2. F5

Code	Item	Function	Factory setting
13	Power saving/Condensation prevention mode NOTE: After it is adjusted, turn the power switch OFF, turn ON.	0: None 1: 5 2: 10 3: 30 4: 1 hr 5: 2 hr 6: 3 hr	0
25	Copy density sensor read NOTE: When it is adjusted, turn the power switch OFF, then ON.	0: Not detecting with service mode only 1: Detecting (ON) 2: Factory use only 3: Not detecting all the time (OFF)	1
50	Automatic original density (when power ON)	0: Not detecting 1: Auto mode priority 2: Document mode priority	2
63	U13 clear=After toner empty detection (Copier stops or cycle inhibited)	0: When clearing the U13, press any key. 1: Press RESET key and AUTO EXPOSURE key	0

4-3. F6

Code	Item	Remarks
65	Paper returning time after paper feeding adjustment (Top position of system stand)	–5 to +5 (default=0) (– direction: shorter, + direction: longer)
66	Paper returning time after paper feeding adjustment (Second position of system stand)	–5 to +5 (default=0) (– direction: shorter, + direction: longer)
67	Paper returning time after paper feeding adjustment (Third position of system stand)	–5 to +5 (default=0) (– direction: shorter, + direction: longer)
80*	Indication of exposure lamp voltage by PCF.	Not adjustable (–) reduced output (+) increased output
81*	Indication of developer bias voltage by PCF.	Not adjustable (–) reduced output (+) increased output
82*	Indication of grid voltage by PCF.	Not adjustable (–) reduced output (+) increased output

* Set by PCF – tampering will affect correct PCF operation.

4-4. F8

Code	Item	Function
11	Original registration adjustment copy.	Reduce quantity of copies from F8-01 mode.

⚠ HINWEIS!

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HINWEIS:

Dieses ergänzende Handbuch erklärt im Detail die neuen Funktionen, die im FP-7117, 7121, 7127, 7133 und 7140. Dieses Handbuch enthält keine Beschreibungen von Funktionen, die bereits in der Serviceanleitung für die Baureihe "80" erklärt und unverändert übernommen worden sind. Informationen über derartige nicht in diesem ergänzenden Handbuch enthaltene Punkte entnehmen Sie bitte der Serviceanleitung der Baureihe 80.

Prinzipvergleich

<Baureihe 80>		<Baureihe 71>
FP-1680	⟷	Keine
FP-1780	⟷	FP-7117
FP-2080	⟷	FP-7121
FP-2680	⟷	FP-7127
FP-3280	⟷	FP-7133
FP-4080	⟷	FP-7140

Serviceanleitung
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2. Neue Funktionen S3
3. Änderungen S6
   3-1. Liste der Änderungen von Baureihe 80 zu Baureihe 71
   3-2. Vergleich der Leiterplatten zwischen Baureihe 80 und Baureihe 71
4. Servicemodus S12

Nur neue oder geänderte Punkte.

Vorsicht
Explosionsgefahr bei unsachgemäßem Austausch der Batterie.
Ersatz nur durch denselben oder einen vom Hersteller empfohlenen ähnilchen Typ.
Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

1. Technische Daten

1. Typ: Tischgerät
2. Kopierverfahren: Elektrostatische Fotomethode
3. Entwicklungsverfahren: Zweikomponenten-Magnetbürste
4. Maximales Originalformat: A3 (297 x 420 mm)

5. Kopiergeschwindigkeit:

(Kopien/Minute)	FP-7117	FP-7121	FP-7127	FP-7133	FP-7140
A3 size	10	12	18	18	24
B4/FLS size	11	14	20	21	27
A4 size	17	21	27	33	40
A4 R size	13	17	23	24	32
A5 size	17	21	27	33	40

6. Erste Kopie:

(A4 size)	FP-7117	FP-7121	FP-7127	FP-7133	FP-7140
Ohne Automatik	9,5 s	8,5 s	5,5 s	5,5 s	3,8 s
Mit Automatik	13,0 s	10,0 s	8,0 s	8,0 s	5,0 s

7. Abbildungsmaßstab:
   Vergrößerung (fest)
   1 : 2,00, 1 : 1,73, 1 : 1,41, 1 : 1,22, 1 : 1,15
   Verkleinerung (fest)
   1 : 0,87, 1 : 0,82, 1 : 0,71, 1 : 0,58, 1 : 0,50
   Zoom : 2,00 ~ 0,50 (in 1% Schritten)

8. Kopienformat:

A3	(297 mm x 420 mm)
B4	(257 mm x 364 mm)
Foolscap	(216 mm x 330 mm)
A4	(297 mm x 210 mm)
A4 R	(210 mm x 297 mm)
A5	(148 mm x 210 mm)

9. Papierfassungsvermögen: 250 Blatt pro Papierfach (Fronteinzug)
   50 Blatt Multiformat-Einzelblatteinzug

10. Papiereinzug: Wahl mit Tastendruck zwischen automatischem Papierfach und Einzelblatteinzug
11. Auslauffachkapazität: 100 Blatt
12. Papiergewicht: 60 bis 90 g/m²
13. Kopienzahl: 1 - 99, automatische Rückstellung auf 1 (FP-7117)
    1 - 999 automatische Rückstellung auf 1 (FP-7121, 7127, 7133, 7140)
14. Fixiersystem: Hitze und Druck
15. Fotoleiter: Organischer Fotoleiter (OPC)
16. Belichtungsregelung: 7 Schritte digital + Foto/Auto-Taste

17. Aufwärmzeit:

	FP-7117	FP-7121	FP-7127	FP-7133	FP-7140
(Ca.) 80 s	85 s	130 s	130 s	210 s	

18. Optiksystem: Herkömmliche interne Abtastung
19. Fehleinzuganzeige: LCD Anzeige (FP-7133, 7140)
LED Anzeige (FP-7117, 7121, 7127)
20. Tonerzufuhr: Automatisch
21. Leistungsaufnahme: Max. 1.5 kW
22. Netzspannung: 220-240 V Wechselstrom, 50 Hz
23. Abmessungen:
FP-7117/7121 640(W) x 633(D) x 463(H) mm
FP-7127/7133/7140 665(W) x 633(D) x 463(H) mm

24. Gewicht:
FP-7117/7121 Approximately 61 kg
FP-7127/7133 Approximately 64 kg
FP-7140 Approximately 67 kg

25. Umgebungsbedingungen: Temperatur: 10°C to 30°C
Luftfeuchtigkeit: 30% bis 80%
26. Zubehör: Auslauffach
Trommel
Dokumententasche

* Änderungen bei Design und technischen Daten ohne vorherige Ankündigung bleiben vorbehalten.

2. Neue Funktionen

2-1. Stromsparmodus

Die Geräte der Baureihe 71 haben eine Funktion zum Verringern der Leistungsaufnahme, während der Kopierer nicht in Betrieb ist.

		Elektrische Energie				
		FP-7117	FP-7121	FP-7127	FP-7133	FP-7140
Wartezustand	ca.	130 Wh	130Wh	186 Wh	186 Wh	186 Wh
Stromsparmodus	ca.	13 Wh	13 Wh	13 Wh	15 Wh	15 Wh

(Wh = Wattstunden)

Leistungsaufnahme

1. Stromsparmodus
   Bedienfeldanzeige aus
   (Netzanzeige: Ein)
   (Starttaste: Ein, Grün)
   (Ziffernanzeige: Ein)
   24 V Betriebsstromversorgung schaltet auf 10 V herab
   Fixierlampe aus

2. F5-13 Service-wählbar
   Der Servicetechniker kann die Zeit einstellen, während der die Stromsparfunktion arbeitet.
   0 : Nicht aktiv
   1 : 5 Min. 4 : 1 Std
   2 : 10 Min. 5 : 2 Std
   3 : 30 Min. 6 : 3 Std

3. Zurückstellen auf normalen Betriebsmodus
   Eine beliebige Taste am Bedienfeld drücken.

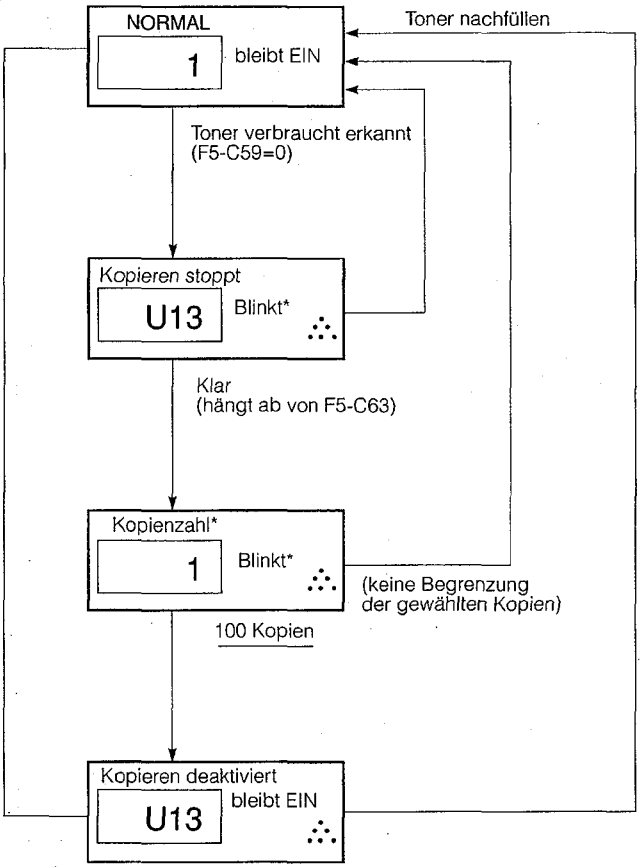
4. Der Kopierer schaltet nach einer vom Servicetechniker eingegebenen Zeit automatisch auf Stromsparmodus, nachdem er eingeschaltet wird (und der Kopierer den "Bereit"-Zustand erreicht) oder nachdem ein Kopiervorgang beendet ist.

HINWEIS: Der Stromsparmodus wird aufgehoben, wenn das eingelegte Papier verbraucht ist, wenn auf Servicemodus geschaltet ist, oder wenn ein "Stau" oder "Fehler" Zustand vorliegt (Code "U" oder "E").

2-2. Toner-Nachfüllen-Anzeige (U13)

Änderungen

Baureihe 80" bei Erkennen des Toner-verbraucht Zustands (F5-C59=0)



*= Neu bei Baureihe 71

HINWEIS: Wenn F5-C59 auf 0 gestellt ist und Toner verbraucht erkannt wird, blinkt "U13" im "Kopien"-Display.
Nachdem "U13" zu blinken beginnt, können weitere 100 kopien erstellt werden (100 Kopien im Einzelklick- oder 50 im Doppelklickbetrieb), bevor der Kopierer deaktiviert wird.
(Im Servicemodus ist die Kopiererverwendung nicht deaktiviert.)

22-3. PCF-Wahlfunktion

(Kopienhelligkeit-Sensorablesung)

F5 -C25	Funktion
0	Keine Erkennung nur im Servicemodus
1	Erkennung (EIN)
2	Nur Werksverwendung
3*	Permanent keine Erkennung (AUS)

* Neuer Code

HINWEIS: Automatische Einstellung auf PCF EIN (F5-25=1), wenn Umstellung auf Normalmodus von Servicemodus.

PCF-Initialisierungszeitgabe

1. Beim Einschalten, oder
2. nachdem Abdeckungen geöffnet und geschlossen worden sind, oder (aber nur, wenn mehr als vier Stunden seit dem letzten PCF-Betrieb vergangen sind)
3. nach jeweils 1000 Kopien, oder (nach F8-09, arbeitet PCF nach 200, und danach 600 und danach jeweils 1000 Kopien)
4. Nach dem Rückstellen aus dem Stromsparmodus (wenn mehr als vier Stunden seit dem letzten PCF-Vorgang vergangen sind).

2-4. Kürzere Zeit zur Verwendung von F8

(F8 jetzt verfügbar während Fixierstation-Aufwärmzeit)

	BAUREIHE 80		BAUREIHE 71	
	Funktion	vor H/UP	Funktion	vor H/UP
C00	○	X	○	○
C08	○	X	○	○

○ = Einsetzbar
X = Nicht einsetzbar

3. Änderungen

3-1. Liste der Änderungen von Baureihe 80 zu Baureihe 71

Gegenstand		FP-7117	FP-7121	FP-7127	FP-7133	FP-7140
Mechanische Verbesserung						
Design-Änderungen	Flache Frontabdeckungen	○	○	○	○	○
	Blauer Streifen	○	○	○	○	○
Für FA-A501 geeignet		○	○	○	○	○
Für Hefter-Sorter geeignet	Änderungen im Sonderfunktionenfeld	○	○	○	○	○
Weniger Papierstau	Kassettenänderung	○	○	○	○	○
Verbesserung der Kassette (glatte Einführung)	Schieber an Kassette und Rahmen	○	○	○	○	○
Niedrigeres Betriebsgeräusch	Optik-Schrittmotor mit Antivibrationsdämpfer	○	○	○	○	○
Verbesserung im Gehäusematerial	Verringerte Entflammbarkeit	○	○	○	○	○
Abfalltonersensor		○*	○	○	○	○
Software-Veränderung						
Kopiergeschwindigkeit		<17>	20 → 21	26 → 27	<33>	<40>
Stromsparmodus (F5-13)		○	○	○	○	○
Stau-Historie		10 → 30	<30>	10 → 30	10 → 30	10 → 30
Job-Historie		0 → 1	<1>	<2>	<2>	<2>
Kostenstellenzähler		20 → 30	<30>	20 → 30	20 → 30	20 → 30
F5-25 Schutz	Automatische Einstellung auf PCF ON F5-25 = "1"	○	○	○	○	○
Papierrücklaufzeit-Einstellung (F6-65, 66, 67)	Papierrücklaufzeit nach letztem Papiereinzug kann für Kassetten in der Systemkonsole eingestellt werden.	○ (1Schritt= 1,5mm)	○ (1Schritt= 2mm)	○ (1Schritt= 1,5mm)	○ (1Schritt= 1,5mm)	○ (1Schritt= 2mm)

* Verdrahtung gleich wie bei FP-1680

3-2. Leiterplatten-Vergleich zwischen Baureihe 80 und Baureihe 71

Leiterplatte	Vergleich		
	Konstruktionsänderung	Austauschbarkeit	Ersatzteile
LVPS	Stabilerer Gleichstromausgang	B	Gleich wie Prod.
Überstrom	Hinzufügung eines Überstrom-schutzes, verbesserte Haltbarkeit der Leiterplatten	E	Gleich wie Prod.
Bedienfeld (1), (2)	Änderung von Anzeige und Funktion	Siehe beiliegendes Blatt	Baureihe 80 Leiterplatte kann in Baureihe 71 verwendet werden.
CPU	Optikmotor-Drehzahländerung (nur 7117)	B	7117 CPU kann in 1680/1780 verwendet werden.*
P-ROM	Voll austauschbar mit Baureihe 80 ausgenommen 7117		
	Funktionsänderung	D	Gleich wie Prod.
Wechselstrom-Treiber	Gleich wie Baureihe 80		
HVPS (1)	Gleich wie Baureihe 80		
HVPS (2)	Gleich wie Baureihe 80		

* Aber nicht 1680/1780 in 7117

Austauschbarkeit-Code

	Teile/Satz-Produktion	
A	Original → Früher, Neu → Später	Originale oder neue Teile können in frühen oder späteren Produktionen verwendet werden. Originalteile verwenden bis aufgebraucht, und dann neue Teile lagern.
B	Original → Früher, Neu → Später	Originalteile können in frühen Produktionen verwendet werden. Originalteile verwenden wo möglich, dann neue Teile lagern.
C	Original → Früher, Neu → Später	Neue Teile können nur in frühen oder späteren Produktionen verwendet werden. Neue Teile lagern.
D	Original → Früher, Neu → Später	Originalteile können nur in früher Produktion verwendet werden. Sowohl originale als auch neue Teile lagern.
E	Andere	

Leiterplatten-Austauschbarkeit

Modell	Bedienfeld (1)						
	FFPWB0469	FFPWB0563	FFPWB05061	FFPWB0506	FFPWB05064	FFPWB05066	FFPWB05068
FP-1680	Pro	×	×	×	×	×	×
FP-1780	×	Pro	×	×	×	×	×
FP-2080	×	×	Pro	×	×	×	×
FP-2680	×	×	Pro	×	×	×	×
FP-3280	×	×	×	Pro	×	×	×
FP-4080	×	×	×	Pro	×	×	×
FP-7117	×	×	○	×	Pro	×	×
FP-7121	×	×	○	×	Pro	×	×
FP-7127	×	×	○	×	×	Pro	×
FP-7133	×	×	×	○	×	×	Pro
FP-7140	×	×	×	○	×	×	Pro

Pro = In Produktion verwendet
○ = Austauschbar (gleich wie Produktion)
× = Nicht austauschbar

(Beispiel) • FFPWB05061
Verwendet in Produktion für 2080/2680 +
Austauschbar (in beiden Richtungen)
mit 7117/7121/7127.

Leiterplatten-Austauschbarkeit

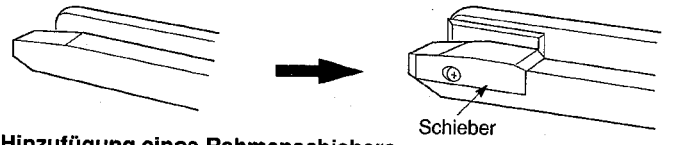
Modell	Bedienfeld (2)					
	FFPWB0470	FFPWB05073	FFPWB05075	FFPWB05071	FFPWB0507	FFPWB05077
FP-1680	Pro	×	×	×	×	×
FP-1780	×	Pro	×	×	×	×
FP-2080	×	×	Pro	×	×	×
FP-2680	×	×	×	Pro	×	×
FP-3280	×	×	×	×	×	×
FP-4080	×	×	×	×	×	×
FP-7117	×	×	○	×	×	Pro
FP-7121	×	×	○	×	×	Pro
FP-7127	×	×	×	Pro	×	×
FP-7133	×	×	×	○	Pro	×
FP-7140	×	×	×	○	Pro	×

Pro = In Produktion verwendet
○ = Austauschbar (gleich wie Produktion)
× = Nicht austauschbar

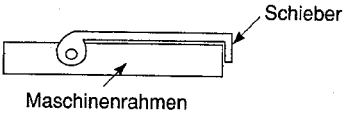
3-3. Mechanische Verbesserungen

1. Verbesserung der Kassette (glattere Einführung 250/500 Blatt Kassette)

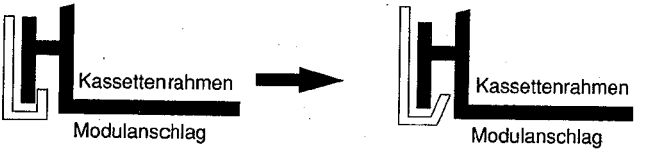
1-1: Hinzufügung eines Kassettenschiebers



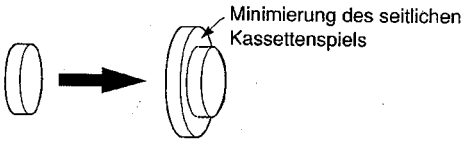
1-2: Hinzufügung eines Rahmenschiebers



1-3: Kassettenanschlag



1-4: Kassettenführungswalze

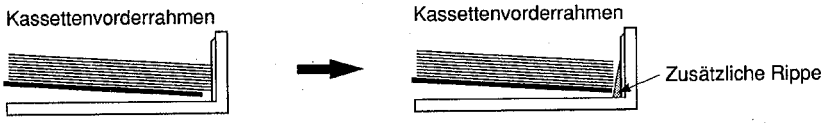


Vergleich des Kassettengewichtes

	Eingelegte Kassette Voll mit Papier beschickt (A3)	Verbesserte Kassette Voll mit Papier beschickt (A3)
Maschine 250 Kass.	3.2 kg	2.9 kg
System 250 Kass.	3.9 kg	2.8 kg
System 500 Kass.	4.2 kg	3.3 kg
Maschine 500 Kass.	3.7 kg	3.0 kg

2. Verbesserung für weniger Papierstau

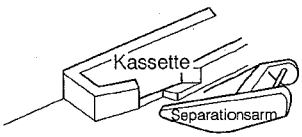
2-1. Minimierung des Papier-Hebedruckverlusts

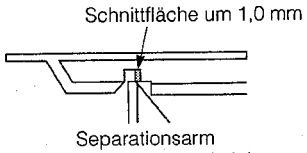


	Herkömmliche Kassette	Verbesserte Kassette
(1) Wenn Papier ganz bis zur Kassettenvorderwand eingelegt ist	600 Gramm	550 Gramm
(2) Wenn Papier eingelegt ist, ohne die Kassettenvorderwand zu berühren	550 Gramm	550 Gramm

Änderungen

2-2. Um Separationsdruck sicherzustellen (Gerät, 250-Blatt-Kassette)

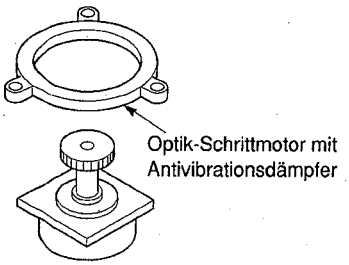




* Der Separationsarm wird nicht vom Kassettenrahmen gefangen

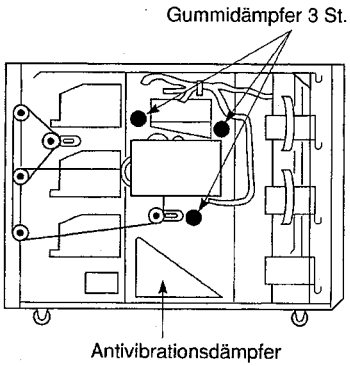
3. Niedrigeres Betriebsgeräusch

3-1. Optik-Rücklaufgeräusch



3-2: Betriebsgeräusch der Systemkonsole

1) Gummidämpfer am Hauptantriebsmotor
2) Hinzufügung eines Antivibrationsdämpfers
3) Lager an Mittelwalze



4. Servicemodus

4-1. F4 (Wenn FA-A501 installiert ist)

Code	Funktion	Zustand	Anzeige
17	ADF-Hauptmotorsensor (Kodierer-Sensor)	Kodierer-Sensor eingeschaltet	↓ ↑
			□ □
		Kodierer-Sensor ausgeschaltet	↓ ↑
			□

4-2. F5

Code	Funktion	Zustand	Werkseinstellung
13	Stromspar-/Kondensations-Verhinderungsmodus HINWEIS: Nach der Einstellung den Netzstecker aus- und dann wieder einschalten.	0: Nicht 1: 5 Min. 2: 10 Min. 3: 30 Min. 4: 1 Std. 5: 2 Std. 6: 3 Std.	0
25	Kopiehelligkeit-Sensorablesung HINWEIS: \Nach der Einstellung den Netzstecker aus- und dann wieder einschalten.	0: Nicht erkannt, wenn nur Servicemodus 1: Erkannt (EIN) 2: Nur Werkseinstellung 3: Ständig nicht erkannt ständig (AUS)	1
50	Automatische Originalhelligkeit (beim Einschalten)	0: Nicht erkannt 1: Auto-Modus-Priorität 2: Dokument-Modus-Priorität	2
63	U13 klar = Nach Toner-verbraucht-Erkennung (Kopierer stoppt, oder Zyklus unterbunden)	0: Wenn U13 aufgehoben wird, eine beliebige Taste drücken. 1: Die Rückstell-Taste und Autobelichtung-Taste drücken.	0

4-3. F6

Code	Gegenstand	Bemerkungen
65	Papierrücklaufzeit nach Papiereinzug-Einstellung (Oberteil des Systemständers)	-5 bis +5 (Vorgabe = 0) (-Richtung: kürzer, +Richtung: länger)
66	Papierrücklaufzeit nach Papiereinzug-Einstellung (Zweiter Teil des Systemständers)	-5 bis +5 (Vorgabe = 0) (-Richtung: kürzer, +Richtung: länger)
67	Papierrücklaufzeit nach Papiereinzug-Einstellung (Dritter Teil des Systemständers)	-5 bis +5 (Vorgabe = 0) (-Richtung: kürzer, +Richtung: länger)
80*	Anzeige der Belichtungslampenspannung mit PCF	Nicht einstellbar (-) verringerte Ausgabe (+) gesteigerte Ausgabe
81*	Anzeige der Biaslampenspannung mit PCF	Nicht einstellbar (-) verringerte Ausgabe (+) gesteigerte Ausgabe
82*	Anzeige der Gitterspannung mit PCF	Nicht einstellbar (-) verringerte Ausgabe (+) gesteigerte Ausgabe

* Eingestellt mit PCF — durch Modifikation wird die richtige Funktion von PCF beeinträchtigt.

4-4. F8

Code	Gegenstand	Bemerkungen
11	Originalregistrierung-Einstellkopie	Die Kopienzahl vom Modus F8-01 verringern.

⚠ ATTENTION

Ces informations techniques sont destinées à des techniciens expérimentés seulement et non destinées a être utilisées pour l'utilisateur.
Il ne contient pas de mises en garde pour les non techniciens des dangers potentiels que peuvent présenter les produits.
Les produits alimentés par le réseau électrique doivent être réparés seulement par des techniciens professionnels expérimentés. Quiconque essaierait de maintenir ou de réparer les produits même avec le manuel technique pourrait s'exposer à des problèmes corporels graves.

Ce manuel a été conçu par Panasonic Co. pour être distribué à ses concessionnaires agrée et dans le seul but de leur fournir toutes les informations nécessaires au bon entretien des équipements. Il est entendu que ces informations doivent rester confidentielles et ne pourront pas être reproduites sans autorisation écrite préalable de Panasonic Co. Panasonic Co. se réserve le droit de modifier sans notification préalable toute information figurant dans ce manuel.

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REMARQUE:
Ce supplément explique en détails les nouvelles fonctions ajoutées sur les modèles FP-7117, 7121, 7127, 7133 et 7140. Ce manuel ne décrit pas les fonctions qui sont déjà expliquées dans le manuel de service de la série 80 et qui n'ont pas changé. Pour plus de détails sur les fonctions qui ne sont pas couvertes dans ce supplément, consultez le manuel de service approprié de la série 80.

Comparaison de base

<Série 80>		<Série 71>
FP-1680	⟷	Absente
FP-1780	⟷	FP-7117
FP-2080	⟷	FP-7121
FP-2680	⟷	FP-7127
FP-3280	⟷	FP-7133
FP-4080	⟷	FP-7140

Manuel de service
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1. Spécifications S1
2. Nouvelles fonctions S3
3. Changements S6
   3-1. Liste des changements de la série 80 à la série 71.
   3-2. Comparaison de carte CI entre la série 80 et la série 71.
4. Mode de service S12
   Paramètres ajoutés ou modifiés uniquement.

ATTENTION:
Il y a danger d'explosion s'il y a remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur.
Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

1. Spécifications

1. Type: Bureau
2. Procédé de reproduction: Méthode photographique électrostatique
3. Procédé de développement: Brosse magnétique à deux composants
4. Format maximum de l'original: A3 (297 mm x 420 mm)
5. Vitesse de copie:

(copies/minute)	FP-7117	FP-7121	FP-7127	FP-7133	FP-7140
Format A3	10	12	18	18	24
Format B4/FLS	11	14	20	21	27
Format A4	17	21	27	33	40
Format A4 R	13	17	23	24	32
Format A5	17	21	27	33	40

6. Durée de la première copie:

(Format A4)	FP-7117	FP-7121	FP-7127	FP-7133	FP-7140
sans le mode automatique	9,5 sec.	8,5 sec.	5,5 sec.	5,5 sec.	3,8 sec.
avec le mode automatique	13,0 sec.	10,0 sec.	8,0 sec.	8,0 sec.	5,0 sec.

7. Rapport de copie:
   Agrandissement (fixe)
   1 : 2,00, 1 : 1,73, 1 : 1,41, 1 : 1,22, 1 : 1,15
   Réduction (fixe)
   1 : 0,87, 1 : 0,82, 1 : 0,71, 1 : 0,58, 1 : 0,50
   Zoom : 2,00 ~ 0,50 (incrément de 1%)
8. Format de copie:

A3	(297 mm x 420 mm)
B4	(257 mm x 364 mm)
Foolscap	(216 mm x 330 mm)
A4	(297 mm x 210 mm)
A4 R	(210 mm x 297 mm)
A5	(148 mm x 210 mm)

9. Capacité en papier: 250 feuilles par plateau (chargement avant)
   50 feuilles par by pass
10. Alimentation du papier: Plateau automatique à bouton poussoir + by pass
11. Capacité du plateau de sortie de papier: 100 feuilles
12. Poids du papier: 60 à 90 g/m2
13. Copie continue: 1-99 avec réinitialisation automatique à 1 (FP-7117)
    1-999 avec réinitialisation automatique à 1
    (FP-7121, 7127, 7133 , 7140)
14. Système de fusion: Chaleur et pression
15. Récepteur photo: Photo conducteur organique (OPC)
16. Contrôle de l'exposition: Numérique 7 pas + touche photo/auto
17. Temps de chauffage: (Environ)

80 sec.	85 sec.	130 sec.	130 sec.	210 sec.
FP-7117	FP-7121	FP-7127	FP-7133	FP-7140

18. Système optique:	Balayage interne conventionnel	
19. Indication de mauvaise alimentation:		
	Affichage LCD (FP-7133, 7140)	
	Affichage DEL (FP-7117, 7121, 7127)	
20. Alimentation en toner:	Automatique	
21. Consommation électrique:	Max. 1,5 kW	
22. Source d'alimentation:	CA 220-240 V, 50 Hz	
23. Dimensions:	FP-7117/7121	640(W) x 633(D) x 463(H) mm
	FP-7127/7133/7140	665(W) x 633(D) x 463(H) mm
24. Poids:	FP-7117/7121	61 Kg Approximatif
	FP-7127/7133	64 Kg Approximatif
	FP-7140	67 Kg Approximatif
25. Conditions ambiantes:	Température: 10°C à 30°C	
	Humidité relative: 30% à 80%	
26. Accessoires	Plateau de sortie	
	Tambour	
	Sac de documents	

*Les spécifications peuvent àtre modifiées sans préavis.

2. Nouvelles fonctions

2-1. Mode d'économie d'énergie

La série 71 a une fonction qui économise l'énergie quand le copieur n'est pas en service.

	Energie électrique					
		FP-7117	FP-7121	FP-7127	FP-7133	FP-7140
Attente, Prêt	environ	130 Wh	130Wh	186 Wh	186 Wh	186 Wh
Mode d'économie d'énergie	environ	13 Wh	13 Wh	13 Wh	15 Wh	15 Wh

Consommation électrique (Wh = Watt heure)

1. Mode d'économie d'énergie
   Indicateur de panneau de commande éteint
   (Indicateur d'alimentation: allumé)
   (Touche d'impression: allumée, verte)
   (Affichage numérique: allumé)
   L'alimentation électrique de 24 V est réduite à 10 V.
   Lampe du four éteinte

2. F5-13 Réglage du technicien de service
   Un technicien de service peut régler l'heure de mise en service de la fonction d'économie d'énergie.
   0 : rien
   1 : 5 Min. 4 : 1 hr
   2 : 10 Min. 5 : 2 hrs
   3 : 30 Min. 6 : 3 hrs

3. Comment revenir en mode de fonctionnement normal.
   Appuyez sur n'importe quelle touche du panneau de commande.

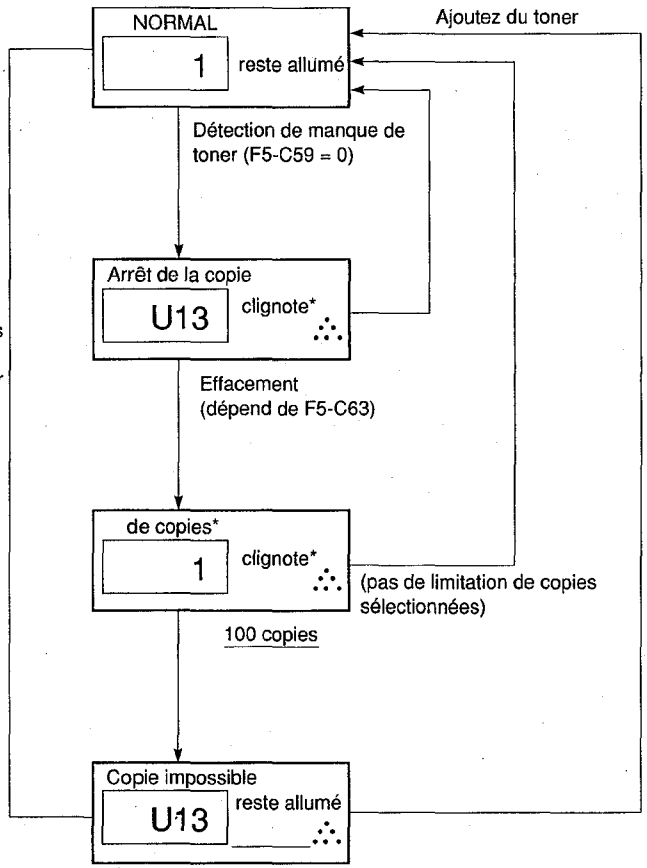
4. Le copieur entre automatiquement en mode d'économie d'énergie au bout de la durée réglée par le technicien de service après la mise sous tension (après que le copieur soit en mode "Prêt"), ou quand un cycle de copie est terminé.

REMARQUE: Le mode d'économie d'énergie est inhibé quand il n'y a plus de papier, quand le copieur est en mode de service, ou quand un bourrage ou une erreur (code "U" ou "E") s'est produit.

2-2 Indication d'ajout de toner (U13)

Changements

"Série 80" après détection de manque de toner (F5-C59 = 0)



*= Nouveau sur la série 71.

REMARQUE: *Quand F5-C59 est réglé sur 0 et que le manque de toner est* détecté, "U13" clignote sur l'affichage "Copies".
Après que "U13" commence à clignoter, 100 unités de comptage sont disponibles (100 copies en A4/A4R ou 50 copies en A3/B4 en fonction de la programmation de F5-40) jusqu'à ce que le copieur soit bloqué.
(En mode de service, le fonctionnement du copieur n'est pas inhibé.)

2-3. Fonction de sélection (PCF)

(Lecture du capteur de densité de copie)

F5 -C25	Fonction
0	Pas de détection avec le mode de service uniquement
1	Détection (ON)
2	Utilisation usine uniquement
3*	Pas de détection tout le temps (OFF)

* Nouveau code

REMARQUE: Réglage automatique sur PCF ON (F5-25=1) quand le copieur passe du mode normal au mode de service.

Temps d'initialisation PCF

1. Quand le copieur est mis sous tension, ou
2. après l'ouverture ou la fermeture d'un couvercle, (mais uniquement si plus de quatre heures se sont écoulées depuis la dernière opération PCF), ou
3. toutes les 1.000 copies, (après F8-09, PCF fonctionne toutes les 200, 600, puis 1.000 copies), ou
4. après avoir quitté le mode d'économie d'énergie (si plus de quatre heures se sont écoulées depuis la dernière opération PCF)

2-4. Raccourcissement du temps d'utilisation F8

(F8 est maintenant disponible pendant le temps de préchauffage du four)

	SéRIE 80		SéRIE 71	
	fonction	avant HUP	fonction	avant H/UP
C00	○	X	○	○
C08	○	X	○	○

○ = utilisation possible
X = utilisation impossible

3. Changements

3-1. Liste des changements de la série 80 à la série 71

Paramètre		FP-7117	FP-7121	FP-7127	FP-7133	FP-7140
Améliorations mécaniques						
Nouveau design esthétique	Couvercles avant plats	○	○	○	○	○
	Bande bleue	○	○	○	○	○
FA-A501 adaptable		○	○	○	○	○
Trieuse agrafeuse adaptable	Changement de feuille de fonction spéciale	○	○	○	○	○
Moins de bourrages de papier	Changement de cassette	○	○	○	○	○
Amélioration de la cassette (insertion plus facile)	Des glissières sont ajoutées sur la cassette et le châssis	○	○	○	○	○
Niveau de bruit plus faible	Moteur optique pas-à-pas et amortisseur anti-vibration	○	○	○	○	○
Amélioration des matériaux du coffret	Amélioration de l'inflammabilité	○	○	○	○	○
Capteur d'usure du toner		○*	○	○	○	○
Améliorations du logiciel						
Vitesse de logiciel		<17>	20 → 21	26 → 27	<33>	<40>
Mode d'économie d'énergie (F5-13)		○	○	○	○	○
Dossier de bourrage		10 → 30	<30>	10 → 30	10 → 30	10 → 30
Mémoire d'opération		0 → 1	<1>	<2>	<2>	<2>
Compteur départemental		20 → 30	<30>	20 → 30	20 → 30	20 → 30
Protection F5-25	Automatiquement réglé sur PCF ON F5-25 = "1"	○	○	○	○	○
Réglage du temps de retour du papier (F6-65, 66, 67)	Le temps de retour du papier après la dernière alimentation de papier peut être ajusté pour le cassettes de la console du système.	○	○	○	○	○
		(1incrément= 1,5mm)	(1incrément= 2mm)	(1incrément= 1,5mm)	(1incrément= 1,5mm)	(1incrément= 2mm)

*La câblage est identique à FP-1680)

3-2. Comparaison de carte CI entre la série 80 et la série 71

Comparaison de carte CI entre la série 80 et la série 71

Carte CI	Comparaison		
	Changements techniques	Interchangeabilité	Pièces de rechange
LVPS	Sortie CC plus stable	B	Même que prod.
Onde transitoire	Ajout d'un absorbeur d'onde transitoire Amélioration de la durabilité de la carte CI	E	Même que prod.
Panneau de commande (1), (2)	Changements d'indication et de fonction	Se référer à la feuille jointe	La carte CI de la série 80 peut être utilisée avec la série 71.
CPU	Changement de couple du moteur optique (uniquement 7117)	B	Changement de couple du moteur optique (uniquement 7117)
P-ROM	Totalement interchangeable avec la série 80 excepté le 7117		
	Changement de fonction	D	Même que prod.
Entraîneur	Même que la série 80		
HVPS (1)	Même que la série 80		
HVPS (2)	Même que la série 80		

*Mais pas celle de 1680/1780 avec 7117

Code d'interchangeabilité

	Pièces/Date de production	
A	Originales → avant Neuves → après	Les pièces originales ou neuves peuvent être utilisées avec les machines produites avant ou après les modifications. Utilisez les pièces originales jusqu'à usure, puis stockez des pièces neuves.
B	Originales → avant Neuves → après	Les pièces originales seulement peuvent être utilisées avec les machines produites avant. Les pièces neuves peuvent être utilisées avec les machines produites après. Utilisez les pièces originales quand c'est possible, puis stockez des pièces neuves.
C	Originales → avant Neuves → après	Les pièces neuves seulement peuvent être utilisées avec les mahcines produites avant ou après. Stockez des pièces neuves.
D	Originales → avant Neuves → après	Les pièces originales seulement peuvent être utilisées avec les machines produites avant. Les pièces neuves seulement peuvent être utilisées avec les mahcines produites après. Stockez des pièces originales et neuves.
E	Autres	

Interchangeabilité de carte CI

Modèle	Panneau de commande (1)						
	FFPWB0469	FFPWB0563	FFPWB05061	FFPWB0506	FFPWB05064	FFPWB05066	FFPWB05068
FP-1680	Pro	×	×	×	×	×	×
FP-1780	×	Pro	×	×	×	×	×
FP-2080	×	×	Pro	×	×	×	×
FP-2680	×	×	Pro	×	×	×	×
FP-3280	×	×	×	Pro	×	×	×
FP-4080	×	×	×	Pro	×	×	×
FP-7117	×	×	○	×	Pro	×	×
FP-7121	×	×	○	×	Pro	×	×
FP-7127	×	×	○	×	×	Pro	×
FP-7133	×	×	×	○	×	×	Pro
FP-7140	×	×	×	○	×	×	Pro

Pro = Utilisé lors de la production
○ = Interchangeable (même que production)
X = Pas interchangeable

(Exemple) • FFPWB05061
Utilisé lors de la production pour le 2080/2680+
Interchangeable (dans les deux sens)
avec 7117/7121/7127

Interchangeabilité de carte CI

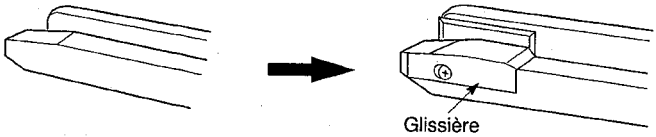
Modèle	Panneau de commande (2)					
	FFPWB0470	FFPWB05073	FFPWB05075	FFPWB05071	FFPWB0507	FFPWB05077
FP-1680	Pro	×	×	×	×	×
FP-1780	×	Pro	×	×	×	×
FP-2080	×	×	Pro	×	×	×
FP-2680	×	×	×	Pro	×	×
FP-3280	×	×	×	×	×	×
FP-4080	×	×	×	×	×	×
FP-7117	×	×	○	×	×	Pro
FP-7121	×	×	○	×	×	Pro
FP-7127	×	×	×	Pro	×	×
FP-7133	×	×	×	○	Pro	×
FP-7140	×	×	×	○	Pro	×

Pro = Utilisé lors de la production
○ = Interchangeable (même que production)
× = Pas interchangeable

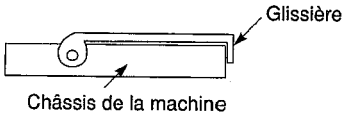
3-3. Amélioration mécanique

1. Amélioration de la cassette (insertion plus facile de la cassette papier pour 250/500 feuilles)

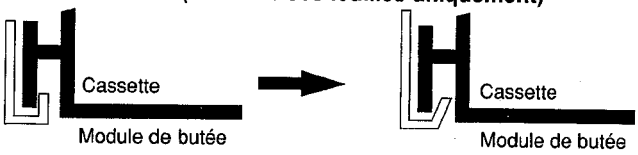
1-1: Ajout d'une glissière sur la cassette



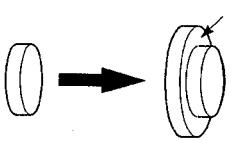
1-2: Ajout d'une glissière sur le chassis



1-3: Butée de cassette (Cassette 500 feuilles uniquement)



1-4: Rouleau de guide de cassette (Cassette 500 feuilles uniquement)

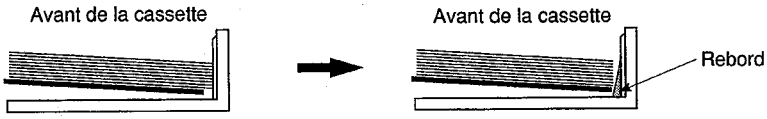


Comparaison de la résistance des cassettes

	Cassette courante remplie de papier (A3)	Cassette améliorée remplie de papier (A3)
Cassette papier pour 250 feuilles	3.2 kg	2.9 kg
Cassette console pour 250 feuilles	3.9 kg	2.8 kg
Cassette console pour 500 feuilles	4.2 kg	3.3 kg
Cassette DS-13 pour 250 feuilles	3.7 kg	3.0 kg

2. Amélioration pour la réduction des bourrages de papier

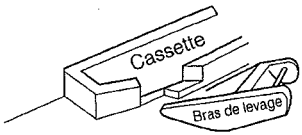
2-1: Pour minimiser la perte de pression du soulèvement du papier

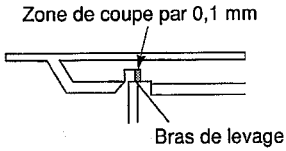


	Cassette courante	Cassette améliorée
(1) Quand le papier est chargé contre la paroi avant de la cassette	600 grammes	550 grammes
(2) Quand le papier est chargé sans toucher la paroi avant de la cassette	550 grammes	550 grammes

Changements

2-2. Pour garantir la prévention de double alimentation de papier (cassette papier pour 250 feuilles)

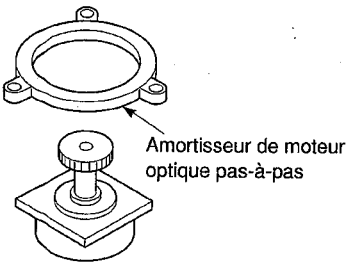




* Le bras de levage n'est pas coincé par la cassette.

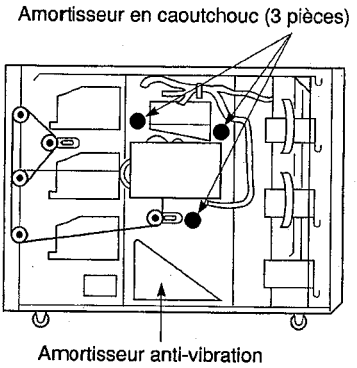
3. Niveau de bruit plus faible

3-1: Bruit de retour de l'unité optique.



3-2: Bruit de fonctionnement de la console du système

1) Amortisseur en caoutchouc au niveau du moteur d'entraînement principal.
2) Ajout d'un amortisseur anti-vibrations.
3) Palier au rouleau du milieu.



4. Mode de service (paramètres modifiés ou ajoutés uniquement)

4-1. F4 (Avec FA-A501 installée.)

Code	Fonction	Condition	Indicateur
17	Capteur du moteur principal de l'ADF (Capteur d'encodeur)	Capteur d'encodeur actif.	↓ ↑
			□ □
		Capteur d'encodeur inactif.	↓ ↑
			□

4-2. F5

Code	Fonction	Condition	Réglage usine
13	Mode d'économie d'énergie/ prévention de condensation REMARQUE: Après réglage, éteindre le commutateur d'alimentation, puis l'allumer.	0: Rien 1: 5 mns. 2: 10 mns. 3: 30 mns. 4: 1 hrs. 5: 2 hrs. 6: 3 hrs.	0
25	Lecture du capteur de densité de copie REMARQUE: Après réglage, éteindre le commutateur d'alimentation, puis l'allumer.	0: Pas de détection avec le mode de service uniquement 1: Détection (ON) 2: Utilisation usine uniquement 3: Pas de détection tout le temps (OFF)	1
50	Densité d'original automatique (quand le copieur est sous tension)	0: Pas de détection 1: Priorité mode automatique 2: Priorité mode document	2
63	Effacement U13 = Après détection du manque de toner (le copieur s'arrête ou le cycle est inhibé)	0: Lors de l'effacement U13, appuyer sur n'importe quelle touche. 1: Appuyer sur RESET et sur AUTO EXPOSURE	0

4-3. F6

Code	Paramètre	Remarques
65	Temps de retour du papier après réglage d'alimentation de papier (étage supérieur de la console du système).	-5 à +5 (valeur implicite = 0) (Sens -: plus court, sens +: plus long)
66	Temps de retour du papier après réglage d'alimentation de papier (deuxième étage de la console du système).	-5 à +5 (valeur implicite = 0) (Sens -: plus court, sens +: plus long)
67	Temps de retour du papier après réglage d'alimentation de papier (troisième étage de la console du système).	i -5 à +5 (valeur implicite = 0) (Sens -: plus court, sens +: plus long)
80*	Indication de tension de la lampe d'exposition par PCF.	Pas réglable (-) sortie réduite (+) sortie augmentée
81*	Indication de tension de polarisation d'unité de développement par PCF.	Pas réglable (-) sortie réduite (+) sortie augmentée
82*	Indication de tension de grille par PCF.	o Pas réglable (-) sortie réduite (+) sortie augmentée

*Réglé par PCF - toute altération empêchera le PCF de fonctionner correctement.

4-4. F8

Code	Paramètre	Fonction
11	Copie de réglage d'enregistrement d'original.	Réduction de la quantité de copies du mode F8-01.

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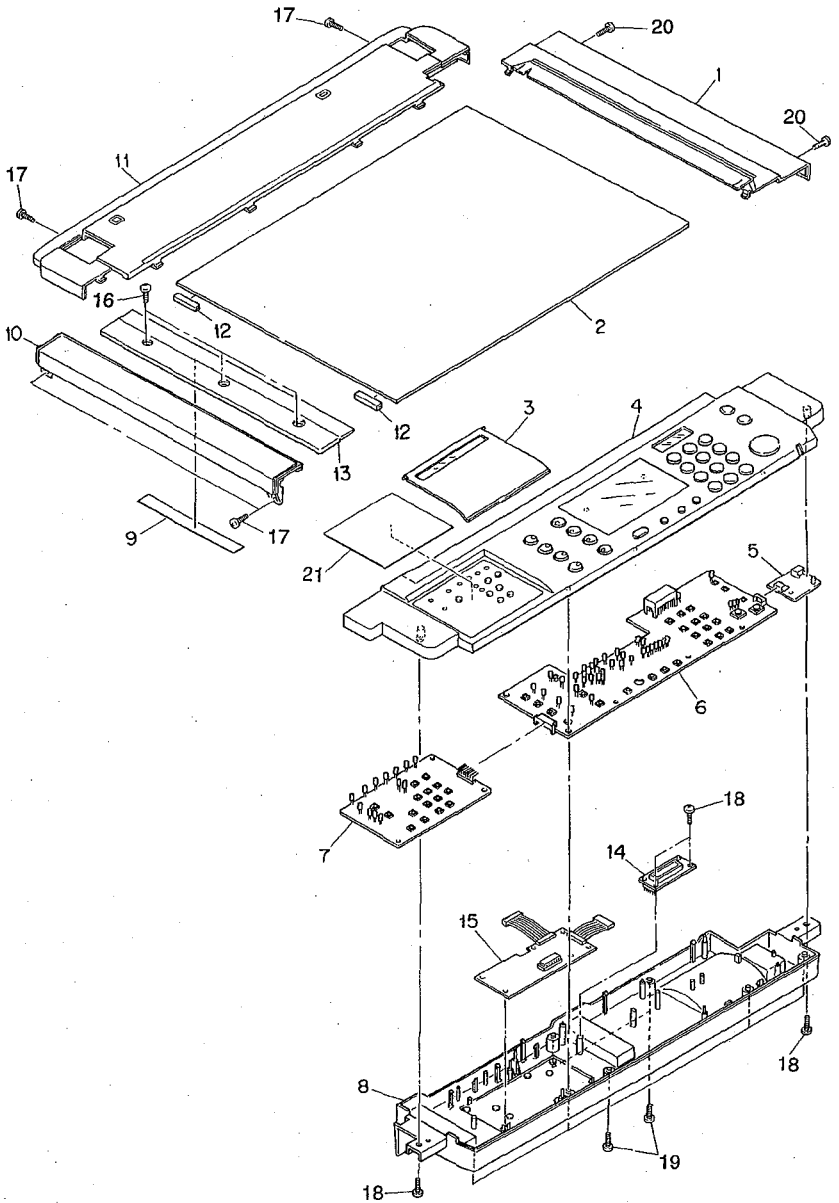
Use and Ordering Information

1. Information contained in this Parts manual is subject to change. Change notices and supplementary pages will be issued on a timely basis.
2. Electrical parts supplied may include previously used components.
3. A Numerical Sales Number, Part Number List is located at the rear of this manual.
4. This manual was developed and is supplied to authorized servicing dealers by Panasonic Co. for the sole purpose of providing information necessary for the equipment's proper support. It is intended that this information be confidential and may not be reproduced without prior written consent from Panasonic Co.
5. Panasonic Co. reserves the right to change any information enclosed herein without prior notification.
   (This includes, but is not limited to, parts pricing and availability, and text.)
6. In common column, "C" indicates part is used in previous models, "N" indicates part is used only in 71 Series.
7. Important safety notice
   Components indentified by ⚠ mark have special characteristics important for safety.
   When replacing any of these components, use only manufacturer's specified parts.
8. Rank column, "A, B, C, D," indicates the parts replacement frequency.
   - A: Most frequently used
   - B: Frequently used
   - C: Occasionally used
   - D: Hardly used


17
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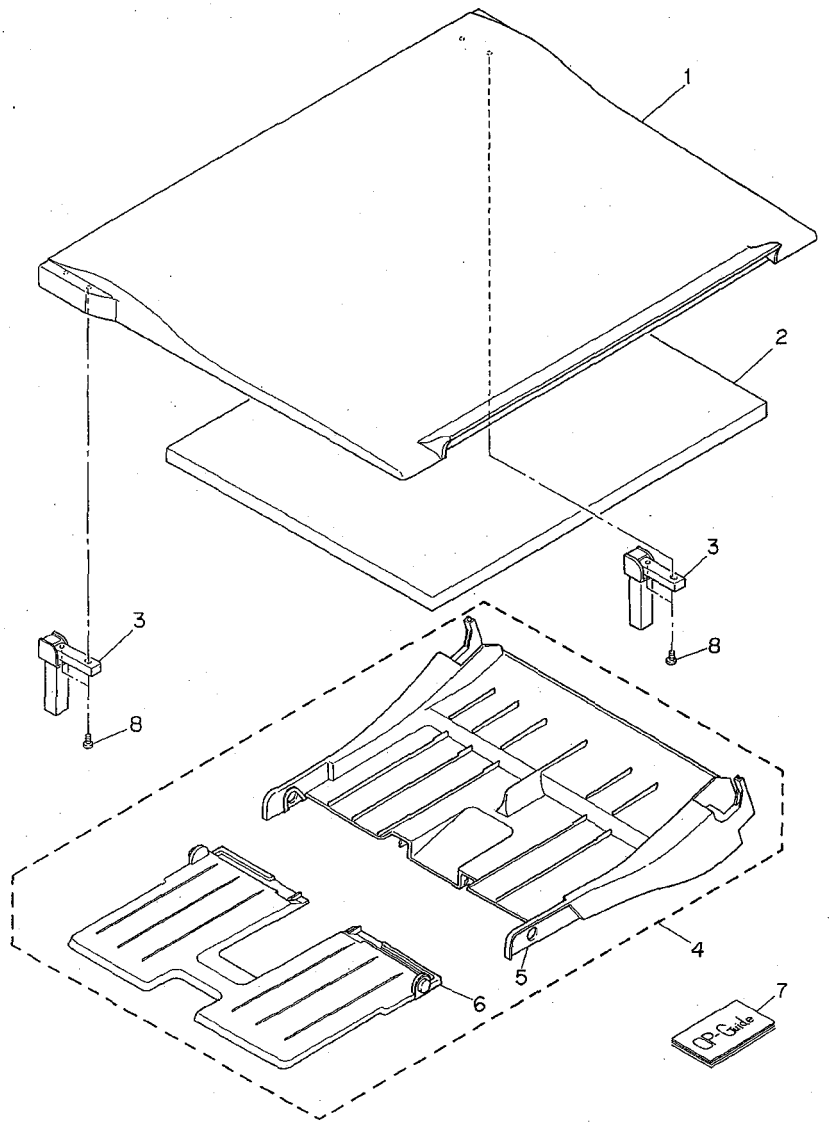
Control Panel

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPXB10901	Top Cover, Right	1	C	D
2	FFPGC0154	Platen Glass	1	C	C
3	FFPND00802	Panel Cover	1	C	D
4	FFPXB04E01	Control Panel Ass'y (7117/21 for North America)	1	N	D
4	FFPXB04E03	Control Panel Ass'y (7117/21 except North America)	1	N	D
4	FFPXB04E21	Control Panel Ass'y (7127 for North America)	1	N	D
4	FFPXB04E23	Control Panel Ass'y (7127 except North America)	1	N	D
4	FFPXB04B415	Control Panel Ass'y (7132/40 for North America)	1	N	D
4	FFPXB04B435	Control Panel Ass'y (7133/40 except North America)	1	N	D
5	FFPWB0478	PCB Control Panel (3)	1	C	C
6	FFPWB05064	PCB Control Panel (1)(7117/21)	1	C	C
6	FFPWB05066	PCB Control Panel (1)(7127)	1	C	C
6	FFPWB05068	PCB Control Panel (1)(7132/33/40)	1	C	C
7	FFPWB0507	PCB Control Panel (2)(7132/33/40)	1	C	C
7	FFPWB05077	PCB Control Panel (2)(7117/21)	1	C	C
7	FFPWB05071	PCB Control Panel (2)(7127)	1	C	C
8	FFPNA05532	Lower Cover, Control Panel (7117/21)	1	N	D
8	FFPNA04985	Lower Cover, Control Panel (7127/32/33/40)	1	N	D
9	FFPHK0717	Sensor Mark Sheet	1	C	D
10	FFPNA04641	Top Cover, Left (7117/21)	1	C	D
10	FFPNA04993	Top Cover, Left (7127/32/33/40)	1	C	D
11	FFPNA04621	Top Cover, Rear (7117/21)	1	C	D
11	FFPNA05001	Top Cover, Rear (7127/32/33/40)	1	C	D
12	FFPKN0271	Cushion	2	C	B
13	FFPPA03851	Original Guide (7117/21/27 for North America)	1	C	D
13	FFPPA03852	Original Guide (7117/21/27 except North America)	1	N	D
13	FFPPA03481	Original Guide (7127/32 for North America)	1	N	D
13	FFPPA03482	Original Guide (7127/33 except North America)	1	C	D
13	FFPPA03741	Original Guide (7140 for North America)	1	C	D
13	FFPPA03742	Original Guide (7140 except North America)	1	C	D
14	DMC50040LY	LCD (7132/33/40)	1	C	D
15	FFPWB0508	PCB LCD (7132/33/40)	1	C	D
16	XST4+6FN	Screw	3	C	D
17	XTB4+8F	Screw	4	C	D
18	XTB3+8G	Screw	4	C	D
19	XTB3+12G	Screw	7	C	D
20	XTT4+10HFN	Screw	2	C	D
21	FFPPJ01781	Special Effects Sheet (7117/21)	1	N	D
21	FFPPJ01443	Special Effects Sheet (7127/32/33/40)	1	N	D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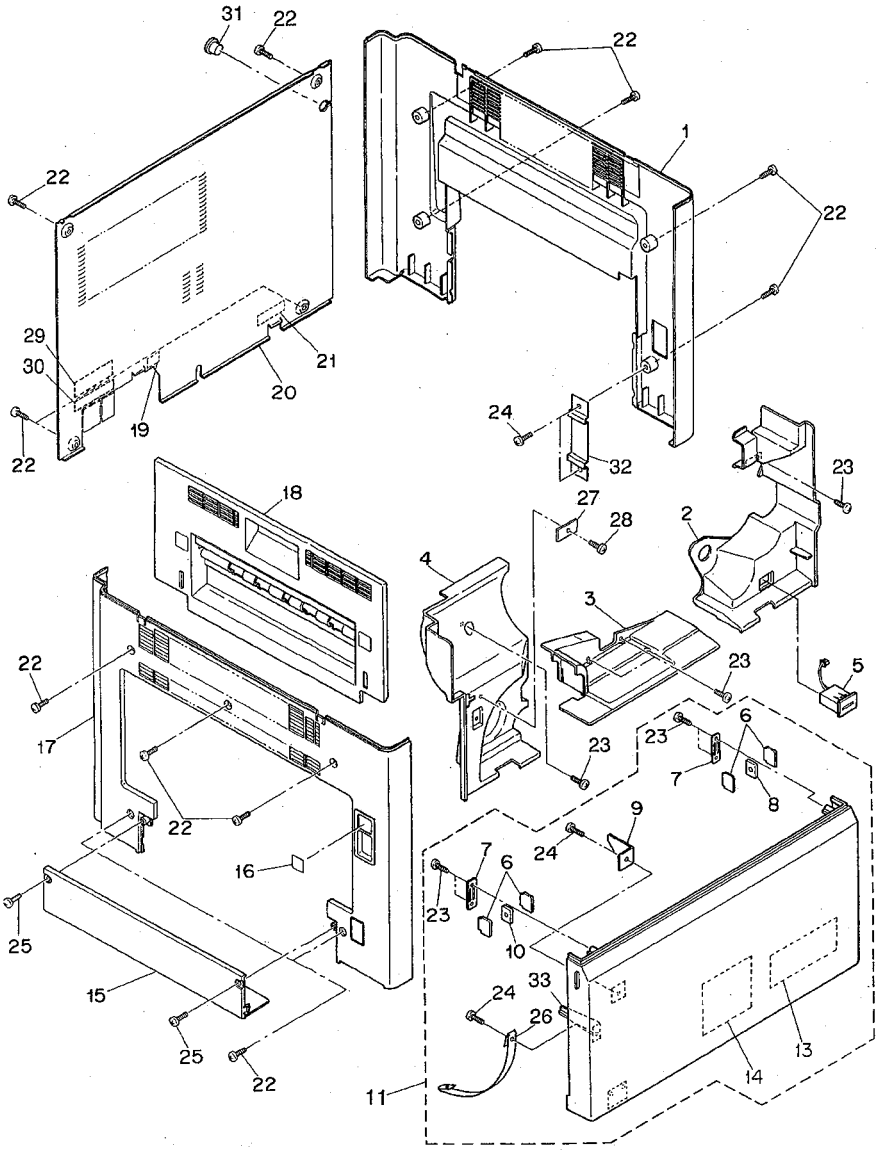
CP-Guide

Platen Cover

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPNA04856	Platen Cover	1	C	D
2	FFPNN00333	Platen Rubber	1	C	D
3	FFPNH005011	Hinge	2	C	D
4	FFPXJ039001	Exit Tray Ass'y	1	C	C
5	FFPQA00924	Exit Tray (1)	1	C	C
6	FFPQB000702	Exit Tray (2)	1	C	C
7	FFPTD0695	Operating Guide, English	1	N	D
7	FFPTD0696	Operating Guide, CANADA	1	N	D
7	FFPTD0697	Operating Guide, English	1	N	D
7	FFPTD0698	Operating Guide, German	1	N	D
7	FFPTD0699	Operating Guide, French	1	N	D
7	FFPTD0700	Operating Guide, Dutch	1	N	D
7	FFPTD0701	Operating Guide, Italian	1	N	D
7	FFPTD0702	Operating Guide, Spanish	1	N	D
7	FFPTD0703	Operating Guide, Swedish (for 7132/33/40)	1	N	D
7	FFPTD0706	Operating Guide, English	1	N	D
7	FFPTD0707	Operating Guide, CANADA	1	N	D
7	FFPTD0708	Operating Guide, English	1	N	D
7	FFPTD0709	Operating Guide, German	1	N	D
7	FFPTD0710	Operating Guide, French	1	N	D
7	FFPTD0711	Operating Guide, Dutch	1	N	D
7	FFPTD0712	Operating Guide, Italian	1	N	D
7	FFPTD0713	Operating Guide, Spanish	1	N	D
7	FFPTD0714	Operating Guide, Swedish	1	N	D
8	XTN4+12F	Screw	4	C	D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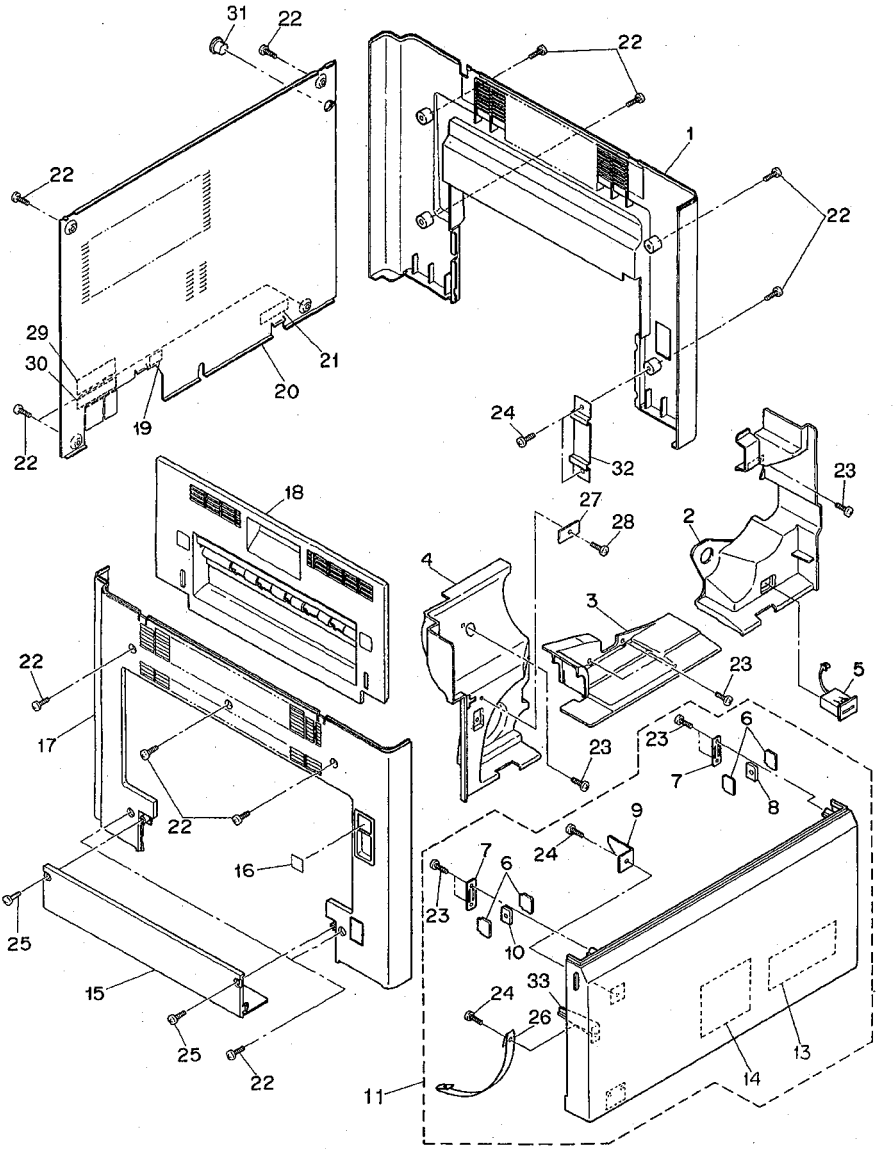
Covers

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPNA04581	Right Cover	1	C	D
2	FFPKM01722	Inner Cover, Right	1	C	D
3	FFPKE0856	Inner Cover, Middle	1	C	D
4	FFPLL04001	Inner Cover, Left (7117/21)	1	C	D
4	FFPLL04675	Inner Cover, Left (7127/32/33/40)	1	C	D
5	FFPCV0008	Total Counter	1	C	D
6	FFPKS0298	Magnet Yoke	4	C	D
7	FFPKF1104	Cover Plate	2	C	D
8	FFPNG00221	Magnet	1	C	D
9	FFPKF09872	Bottle Stopper	1	C	D
10	FFPNG00331	Magnet	1	C	D
11	FFPXB06E01	Front Cover Ass'y (7117 for North America)	1	N	D
11	FFPXB06E03	Front Cover Ass'y (7117 except North America)	1	N	D
11	FFPXB06E11	Front Cover Ass'y (7121 for North America)	1	N	D
11	FFPXB06E13	Front Cover Ass'y (7121 except North America)	1	N	D
11	FFPXB06E21	Front Cover Ass'y (7127 for North America)	1	N	D
11	FFPXB06E23	Front Cover Ass'y (7127 except North America)	1	N	D
11	FFPXB06E31	Front Cover Ass'y (7132 for North America)	1	N	D
11	FFPXB06E33	Front Cover Ass'y (7132 except North America)	1	N	D
11	FFPXB06E41	Front Cover Ass'y (7140 for North America)	1	N	D
11	FFPXB06E43	Front Cover Ass'y (7140 except North America)	1	N	D
12		==Not used==			
13	FFPTE1909	Label, Toner Replacement	1	C	D
14	FFPTE15931	Label, Paper Jam	1	C	D
15	FFPNA04691	Left Cover, Lower (7117/21)	1	C	D
15	FFPNA05011	Left Cover, Lower (7127/32/33/40)	1	C	D
16	FFPTE1553	Panel, Power Switch (for North America)	1	C	D
16	FFPTE1554	Panel, Power Switch (except North America)	1	C	D
17	FFPXB09E01	Left Cover (7117/21 for North America)	1	N	D
17	FFPXB09903	Left Cover (7117/21 except North America)	1	C	D
17	FFPXB09951	Left Cover (7127/32/40 for North America)	1	C	D
17	FFPXB09953	Left Cover (7127/33/40 except North America)	1	C	D
18	FFPNA047011	Paper Exit Cover	1	C	D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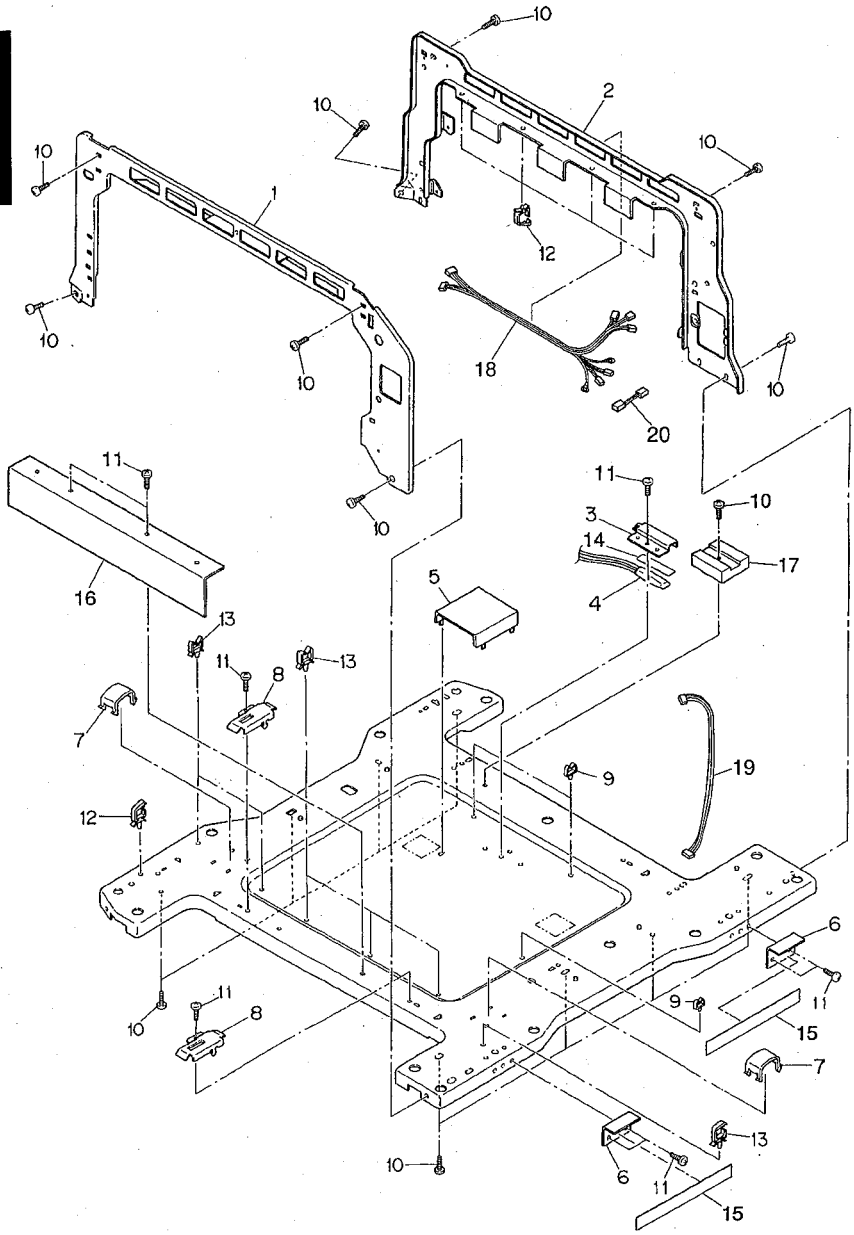
Covers (Con't)

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
19	FFPTE02471	Label, Cord Disconnect (for North America)	1	C	D
19	FFPTE1516	Label, Cord Disconnect (except North America)	1	C	D
20	FFPNA050342	Rear Cover (7117/21)	1	C	D
20	FFPNA05493	Rear Cover (7127/32/40)	1	C	D
21	FFPTE01661	Label, Warranty	1	C	D
22	XTT4+10HFN	Screw	12	C	D
23	XTB4+8F	Screw	7	C	D
24	XTB4+10G	Screw	2	C	D
25	XTB4+10GFN	Screw	2 C	D	
26	FFPMJ0045	Door Stopper	1	C	D
27	FFPNG0014	Catch Plate (7127/32/33/40)	1	C	D
28	XTS3+8G	Screw (7127/32/33/40)	1	C	D
29	FFPTE01763	FCC Label (for North America)	1	C	D
29	FFPTE06161	Caution Label (for Nordic)	1	C	D
29	FFPTE06971	Caution Label (for U.K./Australia)	1	C	D
30	FFPTE02461	Label, Over Current (for North America)	1	C	D
30	FFPTE1515	Label, Over Current (except North America)	1	C	D
31	FFPDC0002	Plastic Cap	1	C	D
32	FFPKU0144	Reinforcement Plate (except North America)	1	C	D
33	FFPKS09741	Metal Actuator	1	N	D

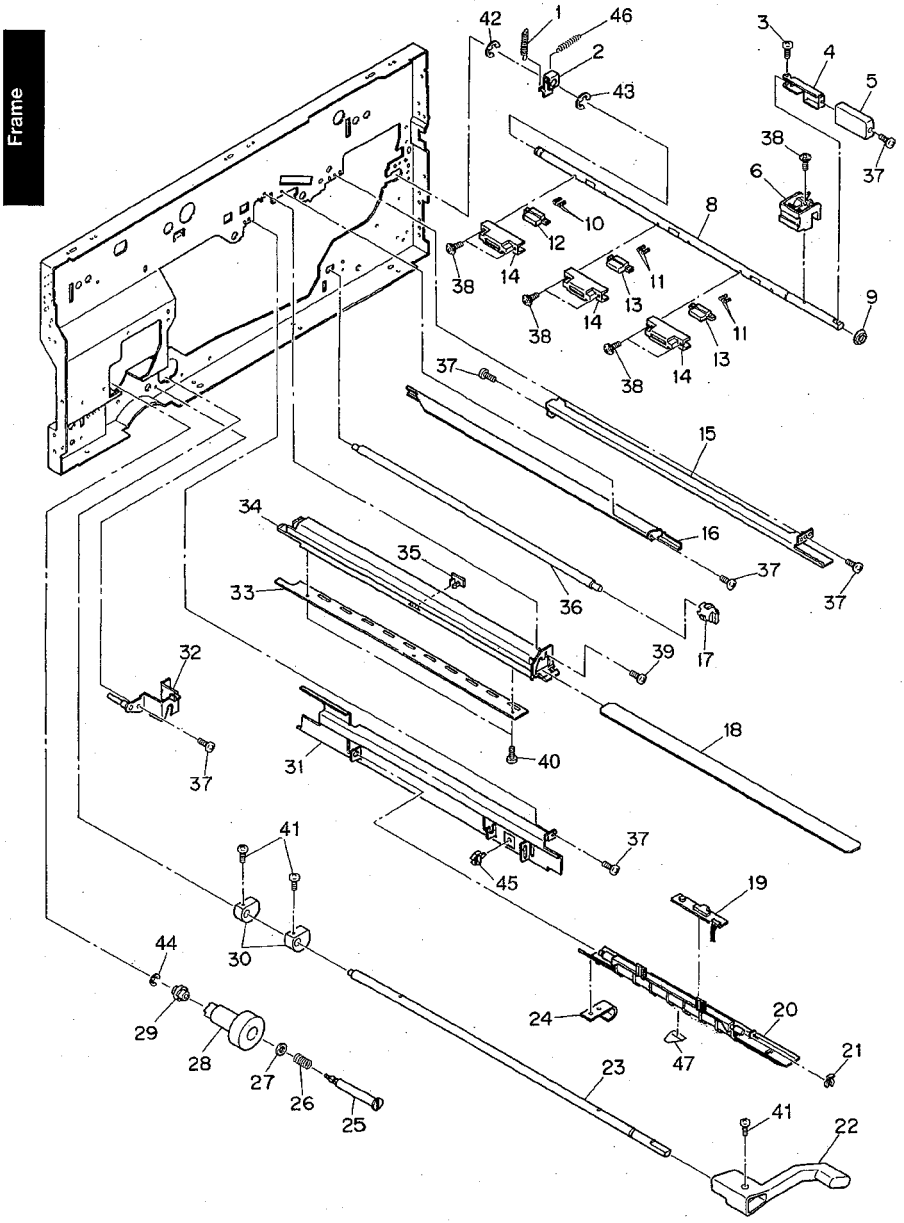
Frame



Frame, Bottom

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPKU01301	Reinforcement Plate (L)	1	C	D
2	FFPKU01243	Reinforcement Plate (R)	1	C	D
3	FFPKD07791	Heater Holder	1	C	D
4	FFPCP0034	Heater, Dehumidification	1	C	C
5	FFPKE0884	Heater Cover, Dehumidification	2	C	D
6	FFPNH00561	Hinge, Front Cover	2	C	D
7	FFPKE0758	Harness Cover	2	C	D
8	FFPKF1107	Fuser Rail, Front	2	C	D
9	UAMS05S2	Clamp	3	C	D
10	XTB4+8F	Screw	17	C	D
11	XTB3+6F	Screw	8	C	D
12	LWS1S	Locking Wire Saddle	5	C	D
13	LWS2NS	Locking Wire Saddle	6	C	D
14	FFPHK0901	Sheet	1	C	D
15	FFPHK0893	Sheet	2	C	D
16	FFPKE0902	Shield Plate, Fuser	1	C	D
17	FFPKD1147	Shaft Support	1	C	D
18	FFPWC1320	CP Harness	1	C	D
19	FFPWC1336	TFJ Harness	1	C	D
20	FFPWC0392	KC Harness (except North America)	1	C	D

Frame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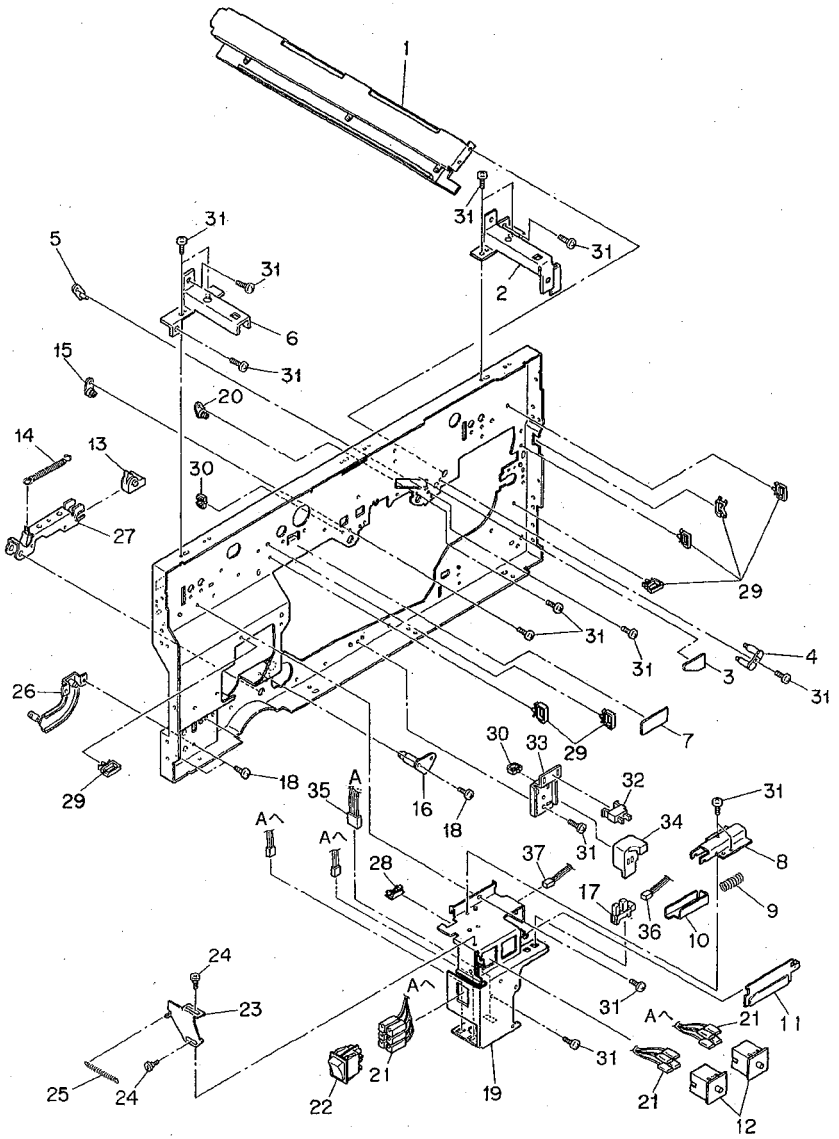
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPLP0730	Pressure Spring, Developer	1	C	B
2	FFPLL0401	Pressure Lever, Developer	1	C	D
3	FFPFA0113	Screw, Developer Lever	1	C	D
4	FFPLL04291	Bracket, Developer Knob	1	C	D
5	FFPKM01711	Developer Knob	1	C	C
6	FFPKF09363	Cam (1)	1	C	C
7		==Not used==			
8	FFPLG09501	Shaft	1	C	D
9	FFPMQ0371	Bushing	1	C	B
10	FFPLP0731	Spring (2)	2	C	B
11	FFPLP0729	Spring (1)	4	C	B
12	FFPLJ0086	Cam (2)	1	C	C
13	FFPLJ0081	Cam (3)	2	C	C
14	FFPKQ0064	Cam Base	3	C	D
15	FFPKF09321	Developer Rail, Left	1	C	D
16	FFPKF09311	Drum Rail, Right	1	C	D
17	FFPMQ0450	Bushing	1	C	B
18	FFPGB00171	Lamp Filter	1	C	C
19	FFPWB0518	PCB Auto Original Density	1	C	C
20	FFPKQ0108	Base, PCB Mounting	1	C	D
21	FFPFJ0033	Snap Ring	1	C	D
22	FFPLA0078	Transport Lever	1	C	D
23	FFPLG0980	Lifting Shaft	1	C	D
24	FFPLQ0280	Spring Plate	1	C	B
25	FFPFA01091	Shoulder Screw	1	C	D
26	FFPLP0742	Knob Spring	1	C	B
27	XWG6	Washer	1	C	D
28	FFPLA00791	Knob	1	C	C
29	FFPHQ0034	Roller Coupling	1	C	B
30	FFPLJ00851	Lift Cam	2	C	C
31	FFPKF0928	Rail, Drum Unit	1	C	D
32	FFPXA51900	Fulcrum Plate, Lever	1	C	D
33	PQ24V10W	Discharge Lamp (7117/21)	1	C	A
33	PQ24V10W-2	Discharge Lamp (7127/32/33/40)	1	C	A
34	FFPKD0744	Lamp Holder, Discharge	1	C	D
35	FFPKH0212	Glass Spacer	1	C	C
36	FFPLG1254	Shaft, Paper Feed	1	C	D
37	XTB3+6F	Screw	6	C	D
38	XYN3+F8	Screw	7	C	D
39	XTB3+8F	Screw	1	C	D
40	XTB3+8G	Screw	2	C	D
41	XYN4+F10	Screw	3	C	D
42	XUC8VM	E Ring	1	C	D
43	XUC9VM	E Ring	1	C	D
44	XUC4VM	E Ring	1	C	D
45	UAMS05S2	Clamp	1	C	D
46	FFPLP0721	Pressure Spring	1	C	D
47	FFPHK0897	Mylar	1	C	D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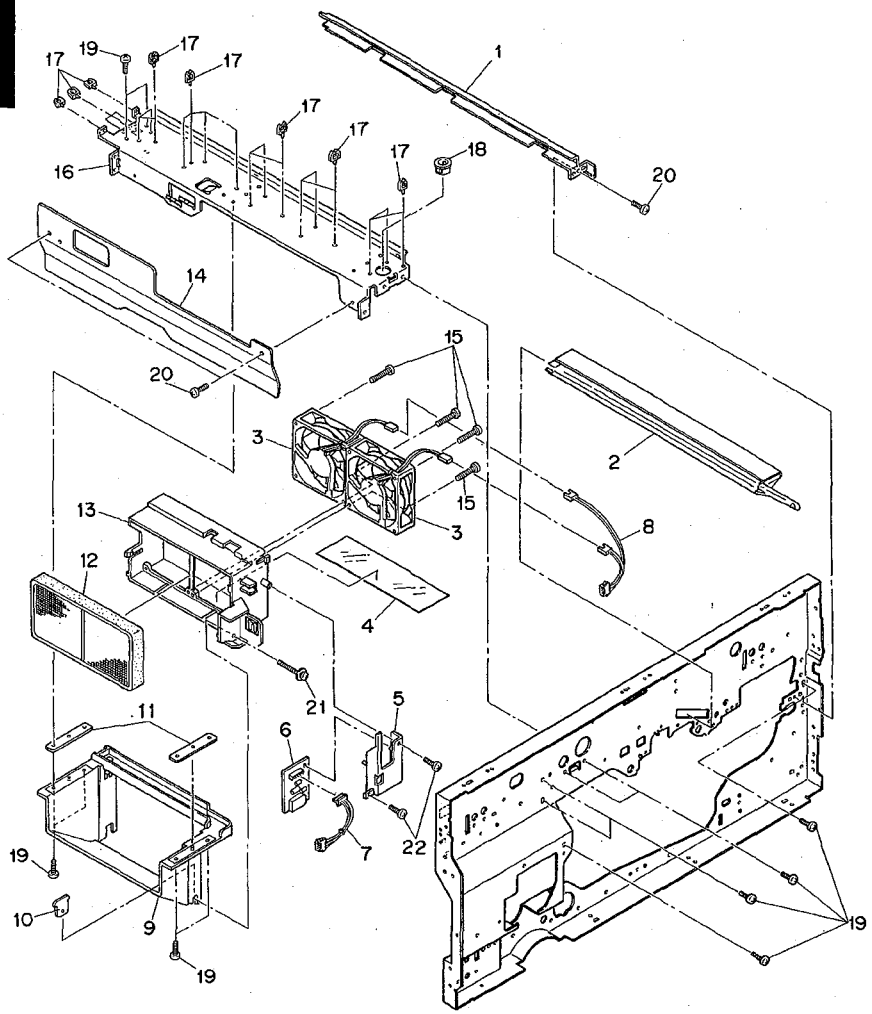
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPXA57900	PCB LED Array	1	C	A
2	FFPKR14221	Bracket 1, Control Panel	1	C	D
3	FFPHK0661	Slide Sheet	1	C	D
4	FFPKD0746	LED Holder	1	C	D
5	FFPXA37900	Support Pin, Drum	1	C	D
6	FFPKR1481	Bracket 3, Control Panel (7117/21)	1	C	D
6	FFPKR14971	Bracket 3, Control Panel (7127/32/33/40)	1	C	D
7	FFPHK0662	Slide Sheet	1	C	D
8	FFPKF09851	Stopper Rail	1	C	C
9	FFPLP0783	Spring, Stopper Rail	1	C	B
10	FFPKF09841	Stopper (2)	1	C	D
11	FFPLL03991	Switch Lever	1	C	D
12	F921-A14L	Door Switch (for North America)	1	C	B
12	F921-A14L	Door Switch (except North America)	2	C	B
13	FFPLK02281	Front Arm	1	C	D
14	FFPLP07391	Lift Spring	1	C	B
15	FFPXA36900	Support Pin, Developer	1	C	D
16	FFPXA54900	Fulcrum Pin, Transport	1	C	D
17	GP1A71A1	Sensor, Front Door	1	C	B
18	XTB4+8F	Screw	3	C	D
19	FFPKR13675	Bracket, Door Switch	1	C	D
20	FFPXA38900	Support Pin, Developer	1	C	D
21	FFPWC1394	AJ Harness (7121/27/32/33/40)	1	C	D
21	FFPWC1479	AJ Harness (7117)	1	C	D
22	SIG8226-1BB	Power Switch	1	C	B
23	FFPKF0983	Stopper (1)	1	C	D
24	FFPFA0072	Shoulder Screw	2	C	D
25	FFPLP0784	Stopper Spring	1	C	B
26	FFPXA019501	Fulcrum Bracket, Front	1	C	D
27	FFPLL04061	Lever	1	C	D
28	EDS2	Edge Saddle	1	C	D
29	LWS1S	Locking Wire Saddle	7	C	D
30	UAMS05S2	Clamp	1	C	D
31	XTB3+6F	Screw	15	C	D
32	EESX461P4	Sensor, Waste Toner	1	C	B
33	FFPKR15001	Bracket, Sensor Mouting	1	C	D
34	FFPKE08572	Sensor Cover	1	C	D
35	FFPWC1227	SB Harness	1	C	D
36	FFPWC1213	HA Harness	1	C	D
37	FFPWC1318	VP Harness (for North America)	1	C	D
37	FFPWC1208	VP Harness (except North America)	1	C	D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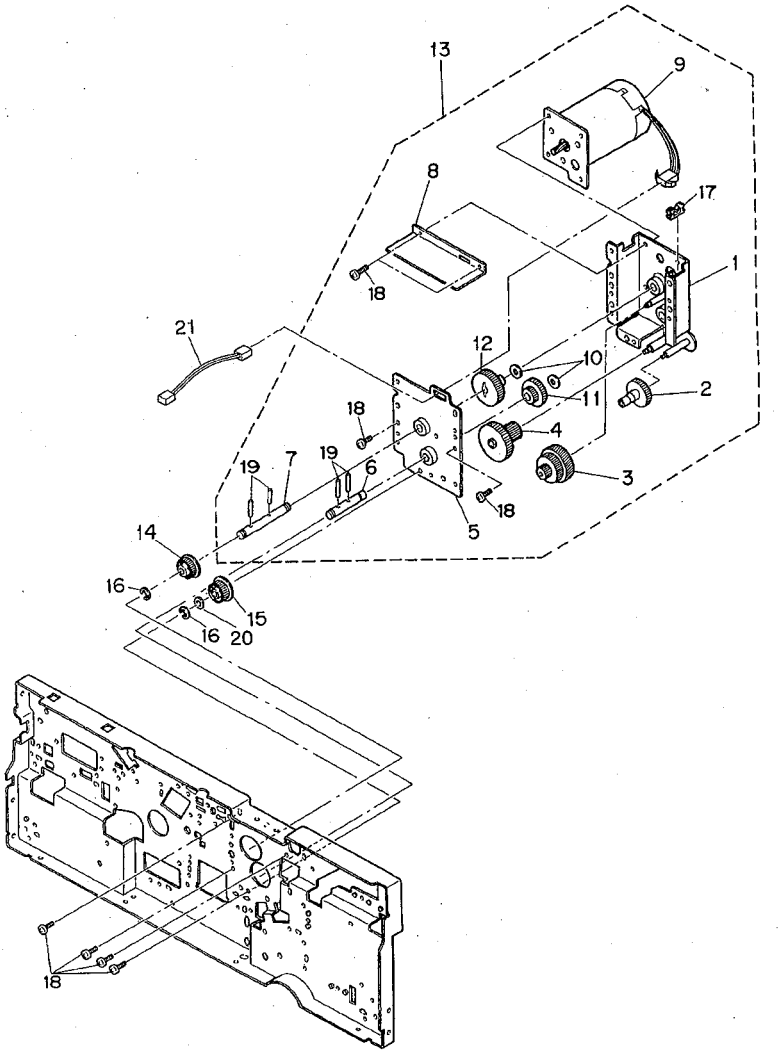
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPKF0933	Rail, Developer, R	1	C	C
2	FFPXA63A42	Slit Glass	1	C	C
3	SO8C24DURC1	Exhaust Fan	2	C	C
4	FFPHK0860	Fan Sheet	1	C	C
5	FFPKE0943	PCB Cover	1	C	D
6	EYHH04NUC	PCB T.H Sensor	1	C	C
7	FFPWC1460	TH Harness	1	C	D
8	FFPWC1455	EF Harness	1	C	D
9	FFPHA0063	Duct	1	C	D
10	FFPKS0962	Spacer	1	C	D
11	FFPKN0319	Rubber Plate	2	C	C
12	FFPHJ00332	Ozone Filter (7117/21/27/32/33)	1	C	A
12	FFPHJ00331	Ozone Filter (7140)	1	C	A
13	FFPXA40B40	Fan Holder w/Mylar	1	C	D
14	FFPKS0961	Separation Plate	1	C	D
15	XTN4+34G	Screw	4	C	D
16	FFPKD11111	Duct Stay	1	C	D
17	UAMS05S2	Clamp	21	C	D
18	TB1520	Bushing	1	C	D
19	XTB4+8F	Screw	12	C	D
20	XTB3+6F	Screw	3	C	D
21	XYN4+F12	Screw	1	C	D
22	XTB3+8G	Screw	2	C	D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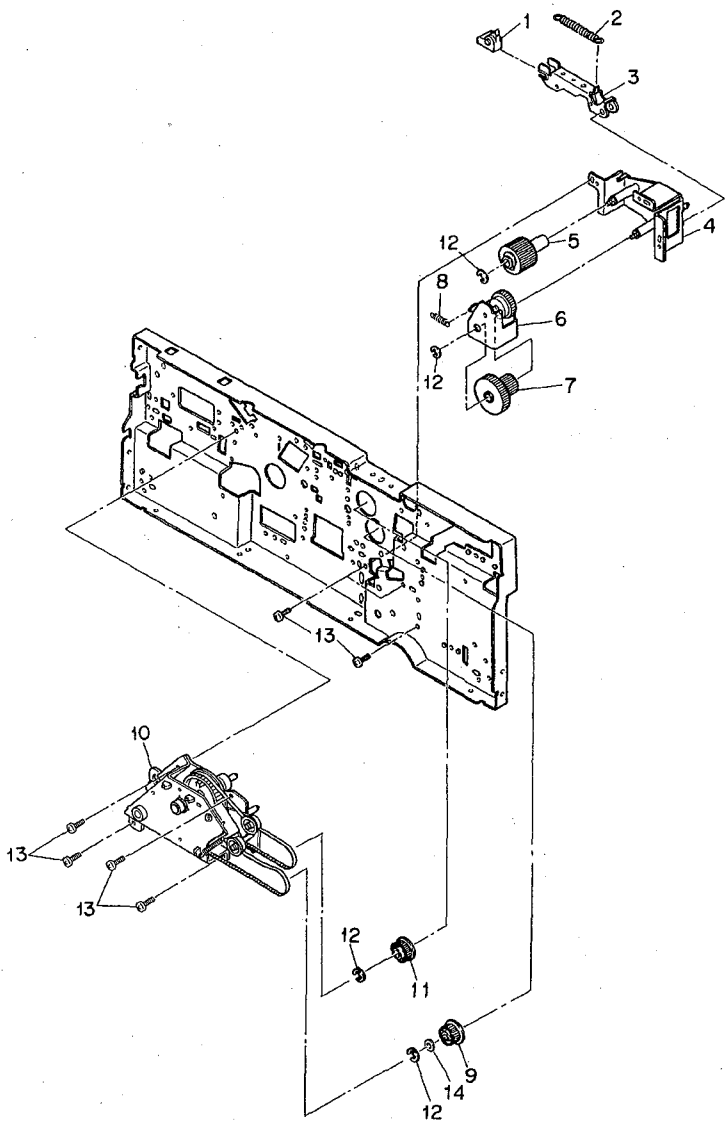
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPXA039001	Rear Frame, Speed Reduction	1	C	D
2	FFPMF0683	Drive Gear, Transfer	1	C	D
3	FFPMF0793	Gear 1, Speed Reduction (7121/27/32/33/40)	1	C	D
3	FFPMF06793	Gear 1, Speed Reduction (7117)	1	C	D
4	FFPMF0682	Drive Gear, Fuser	1	C	D
5	FFPXA069001	Front Frame, Speed Reduction	1	C	D
6	FFPLG09443	Drive Shaft 2	1	C	D
7	FFPLG09432	Drive Shaft 1	1	C	D
8	FFPKE0760	Gear Cover	1	C	D
9	PVX24C4LA	Main Motor (7121/27/32/33)	1	C	D
9	PVX24C4WA	Main Motor (7117)	1	C	D
9	PVX26C4LA	Main Motor (7140)	1	C	D
10	FFPMV0037	Polyslider	2	C	D
11	FFPMF06811	Drive Gear 2	1	C	D
12	FFPMF0680	Drive Gear 1	1	C	D
13	FFPXA08B501	Main Motor Ass'y (7121/27/32/33)	1	C	C
13	FFPXA08B001	Main Motor Ass'y (7117)	1	C	C
13	FFPXA08B401	Main Motor Ass'y (7140)	1	C	C
14	FFPMB01391	Motor Pulley 1	1	C	D
15	FFPMB0140	Motor Pulley 2 (7117/21/27/32/33)	1	C	D
15	FFPMB0198	Motor Pulley 2 (7140)	1	C	D
16	XUC7VM	E Ring	2	C	D
17	EDS2	Edge Saddle	1	C	D
18	XTB4+8F	Screw	8	C	D
19	XPJ2D16WV	Pin	4	C	D
20	FFPKQ00621	Support Plate, Pulley	1	C	D
21	FFPWC1216	MM Harness	1	C	D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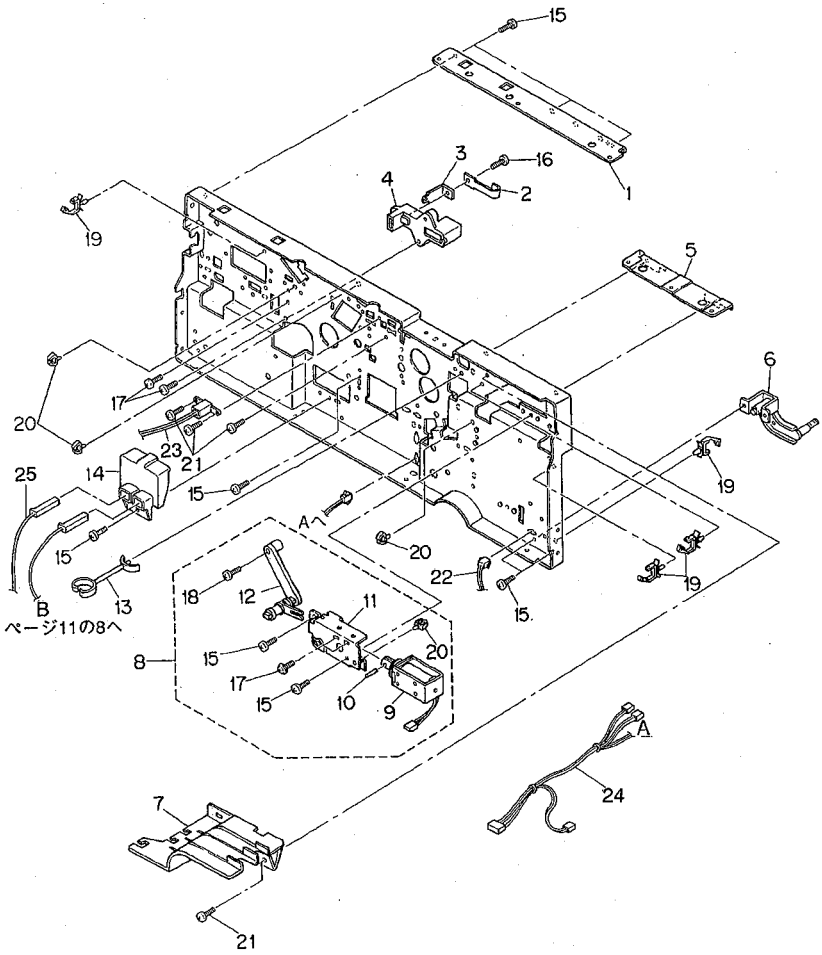
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPLK02291	Front Arm	1	C	D
2	FFPLP07391	Lift Spring	1	C	B
3	FFPLL04061	Lever	1	C	D
4	FFPXA10B50	Slide Bracket, Fuser Drive (7117/21/27/32/33)	1	C	D
4	FFPXA10B40	Slide Bracket, Fuser Drive (7140)	1	C	D
5	FFPMF0822	Drive Gear	1	C	C
6	FFPXA09900	Gear Unit, Fuser Drive (7117/21/27/32/33)	1	C	C
6	FFPXA09B40	Gear Unit, Fuser Drive (7140)	1	C	C
7	FFPMF0682	Gear, Fuser Drive	1	C	C
8	FFPLP07281	Spring	1	C	B
9	FFPMB0140	Motor Pulley 2 (7117/21/27/32/33)	1	C	D
9	FFPMB0198	Motor Pulley 2 (7140)	1	C	D
10	FFPXA27B501	Drive Block Ass'y (7117/21/27/32/33)	1	C	C
10	FFPXA27B401	Drive Block Ass'y (7140)	1	C	C
11	FFPMB01391	Motor Pulley 1	1	C	D
12	XUC7FP	E Ring	4	C	D
13	XTB4+8K	Screw	7	C	D
14	FFPKQ00621	Support Plate, Pulley	1	C	D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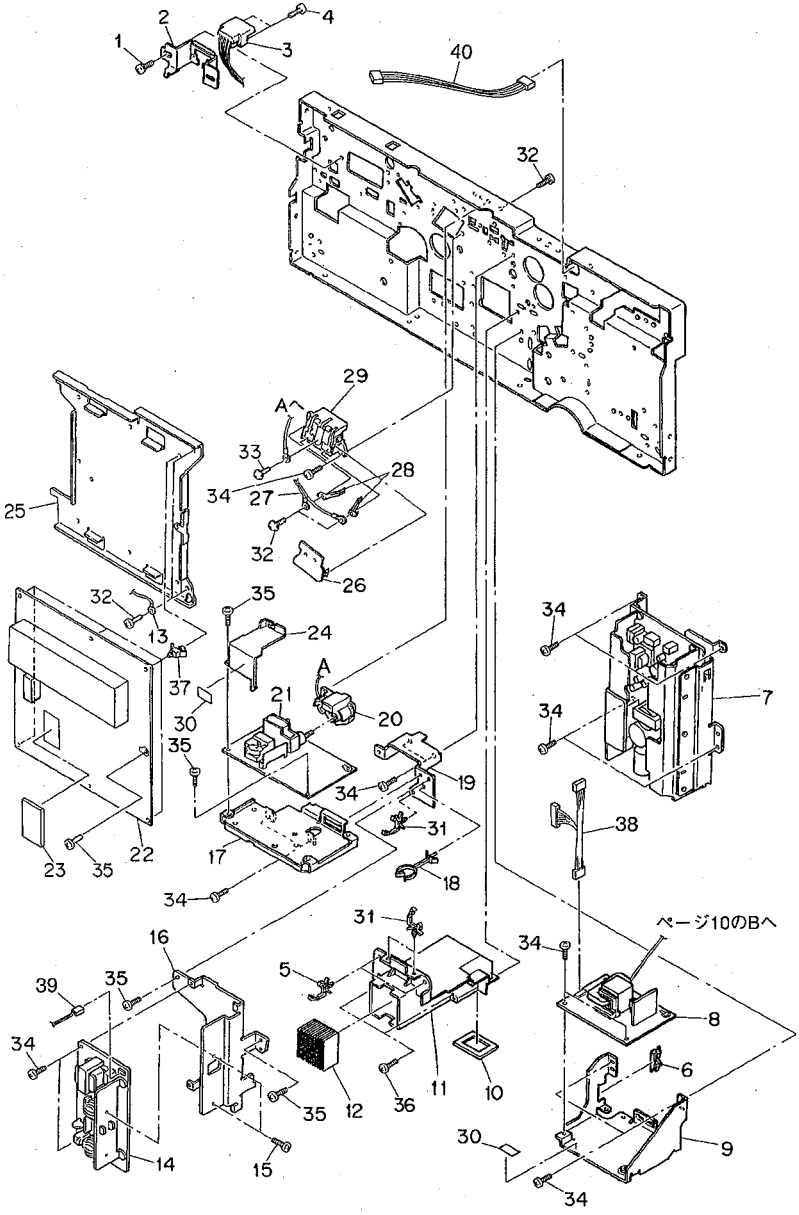
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPKS06522	Positioning Plate, Optics	1	C	D
2	FFPDK01872	Bias Lead (2)	1	C	C
3	FFPDF0209	Bias AC Lead	1	C	C
4	FFPDE00372	Bias Terminal	1	C	C
5	FFPKS0655	Positioning Plate, Optics	1	C	D
6	FFPXA139502	Fulcrum Bracket, Rear	1	C	D
7	FFPKE08662	SW Power Cover	1	C	D
8	FFPXA16900	Solenoid Ass'y, Cleaning Web (7117/21)	1	C	D
8	FFPXA16950	Solenoid Ass'y, Cleaning Web (7127/32/33/40)	1	C	D
9	FFPEQ0062	Solenoid, Cleaning Web	1	C	D
10	XPL3A12WV	Spring Pin	1	C	D
11	FFPKR1409	Solenoid Bracket	1	C	D
12	FFPLL04101	Lever 2 (7117/21)	1	C	D
12	FFPLL0466	Lever 2 (7132/33/40)	1	C	D
13	HL38-0	Harness Lifter	1	C	D
14	FFPDA00271	T-DT Socket	1	C	C
15	XTB4+8F	Screw	9	C	D
16	XTB3+8G	Screw	1	C	D
17	XYN3+F6	Screw	4	C	D
18	XTB4+8G	Screw	1	C	D
19	LWS1S	Locking Wire Saddle	4	C	D
20	UAMS05S2	Clamp	4	C	D
21	XTB3+8F	Screw	4	C	D
22	FFPWC1213	HA Harness	1	C	D
23	FFPWC1212	CN4 Harness	1	C	D
24	FFPWC1319	DCT Harness	1	C	D
25	FFPWC1204	HVPS Harness	1	C	D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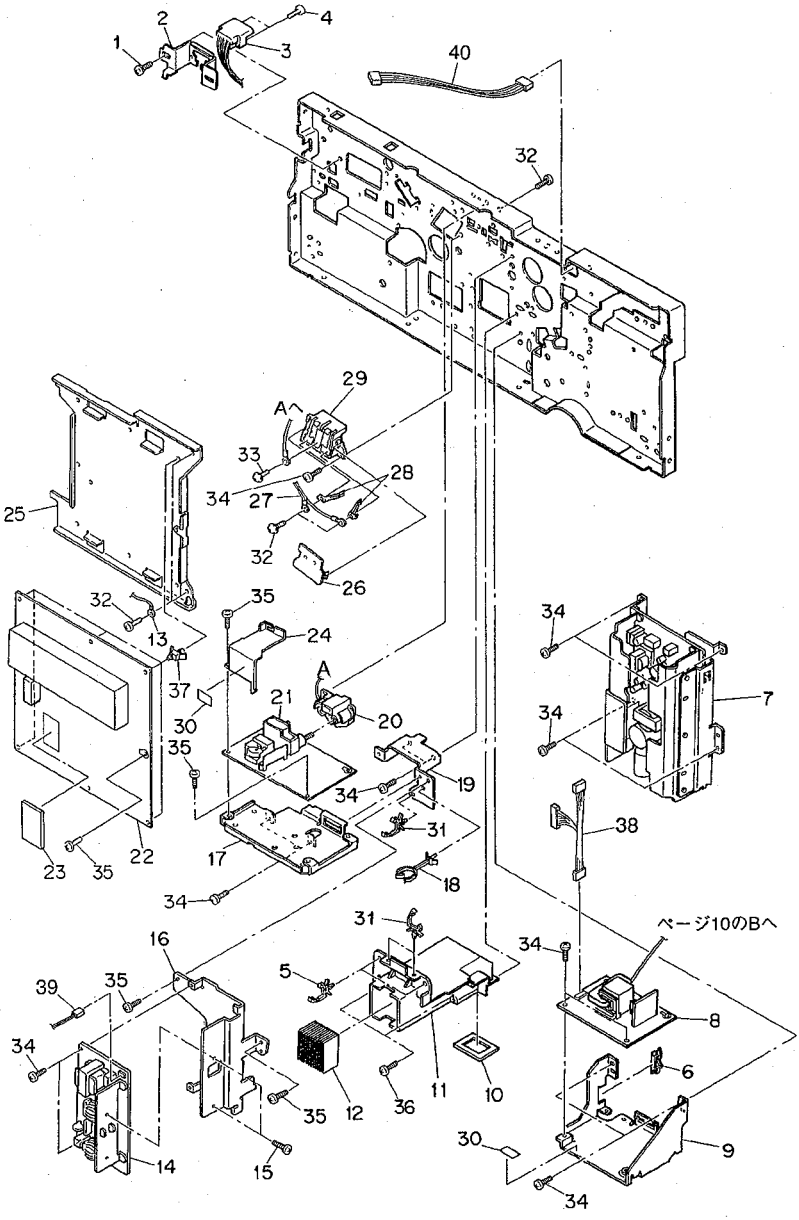
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPFA0072	Shoulder Screw	1	C	D
2	FFPKD07451	Connector Bracket	1	C	D
3	FFPWC14521	CN4 Harness	1	C	D
4	FFPFA0114	Shoulder Screw	2	C	D
5	LWS2NA	Locking Wire Saddle	2	C	D
6	EDS2	Edge Saddle	1	C	D
7	FFPWB052711	PCB LVPS (7117/21/27/32 for North America)	1	C	C
7	FFPWB05275	PCB LVPS (7117/21/27/33 except North America)	1	C	C
7	FFPWB052710	PCB LVPS (7117/21/27/33 for Taiwan)	1	C	C
7	FFPWB05441	PCB LVPS (7140 for North America)	1	C	C
7	FFPWB05442	PCB LVPS (7140 except North America)	1	C	C
7	FFPWB0544	PCB LVPS (7140 for Taiwan)	1	C	C
8	EUKSBN409HB	PCB HVPS (2)	1	C	C
9	FFPKR13711	Bracket, HVPS Mounting	1	C	D
10	FFPKN0251	Duct Seal	1	C	B
11	FFPHA00472	Duct	1	C	D
12	FFPHJ0032	Filter	1	C	A
13	FFPWC1411	Ground Lead	1	C	D
14	FFPWB05331	PCB AC Driver (for North America/Taiwan)	1	C	C
14	FFPWB05332	PCB AC Driver (7117/21/27/33 for except America/Taiwan)	1	C	C
14	FFPWB05333	PCB AC Driver (7140 for except America/Taiwan)	1	C	C
15	XTB3+8J	Screw	2	C	D
16	FFPKR1572	Bracket, AC Driver	1	C	D
17	FFPKR13701	Bracket 1, High Voltage	1	C	D
18	HL18-0	Harness Lifter	1	C	D
19	FFPKU01121	Support Bracket, High Voltage	1	C	D
20	FFPDA00253	Socket, High Voltage	1	C	C
21	EUKMBN410HA	PCB HVPS (1) (7117/21/27/32/33)	1	C	C
21	EUKMBN483HA	PCB HVPS (1) (7140)	1	C	C
22	FFPWB05434	PCB CPU W/O P-ROM (7121)	1	N	C
22	FFPWB054311	PCB CPU W/O P-ROM (7117)	1	N	C
22	FFPWB05435	PCB CPU W/O P-ROM (7127/32/33)	1	N	C
22	FFPWB0543	PCB CPU W/O P-ROM (7140)	1	N	C
23	FFPAH0182M	P-ROM (7117)	1	N	C
23	FFPAH0181M	P-ROM (7121)	1	N	C
23	FFPAH0180M	P-ROM (7127)	1	N	C
23	FFPAH0179M	P-ROM (7132/33)	1	N	C
23	FFPAH0178M	P-ROM (7140)	1	N	C
24	FFPKE08252	Cover, HVPS	1	C	D
25	FFPKR14991	Plate, CPU Mounting	1	C	D
26	FFPJA02271	Lid, Corona Lead	1	C	C
27	FFPWC1203	HV Harness 1	1	C	D
28	FFPDF0210	Corona Lead	2	C	C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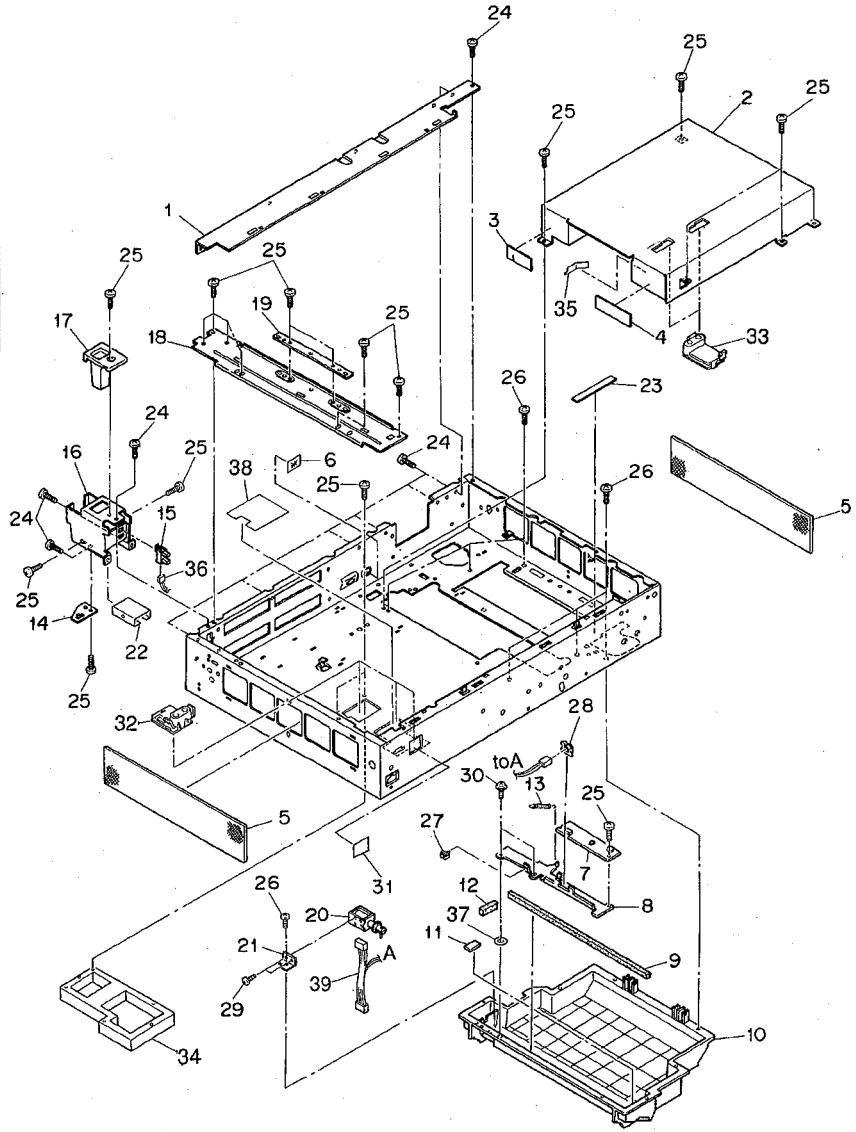
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
29	FFPDE0035	Corona Terminal	1	C	C
30	FFPTE1621	Caution Label, High Voltage	2	C	D
31	LWS1S	Locking Wire Saddle	3	C	D
32	XTB3+8G	Screw	5	C	D
33	XYN3+F8	Screw	1	C	D
34	XTB3+8F	Screw	16	C	D
35	XTB3+6F	Screw	5	C	D
36	XTB4+8F	Screw	2	C	D
37	KGLS3S	Locking Spacer	5	C	D
38	FFPWC1211	HVC Harness (7132/33)	1	C	D
38	FFPWC1449	HVC Harness (7140)	1	C	D
39	FFPWC1206	LJ Harness	1	C	D
40	FFPWC1209	VL Harness	1	C	D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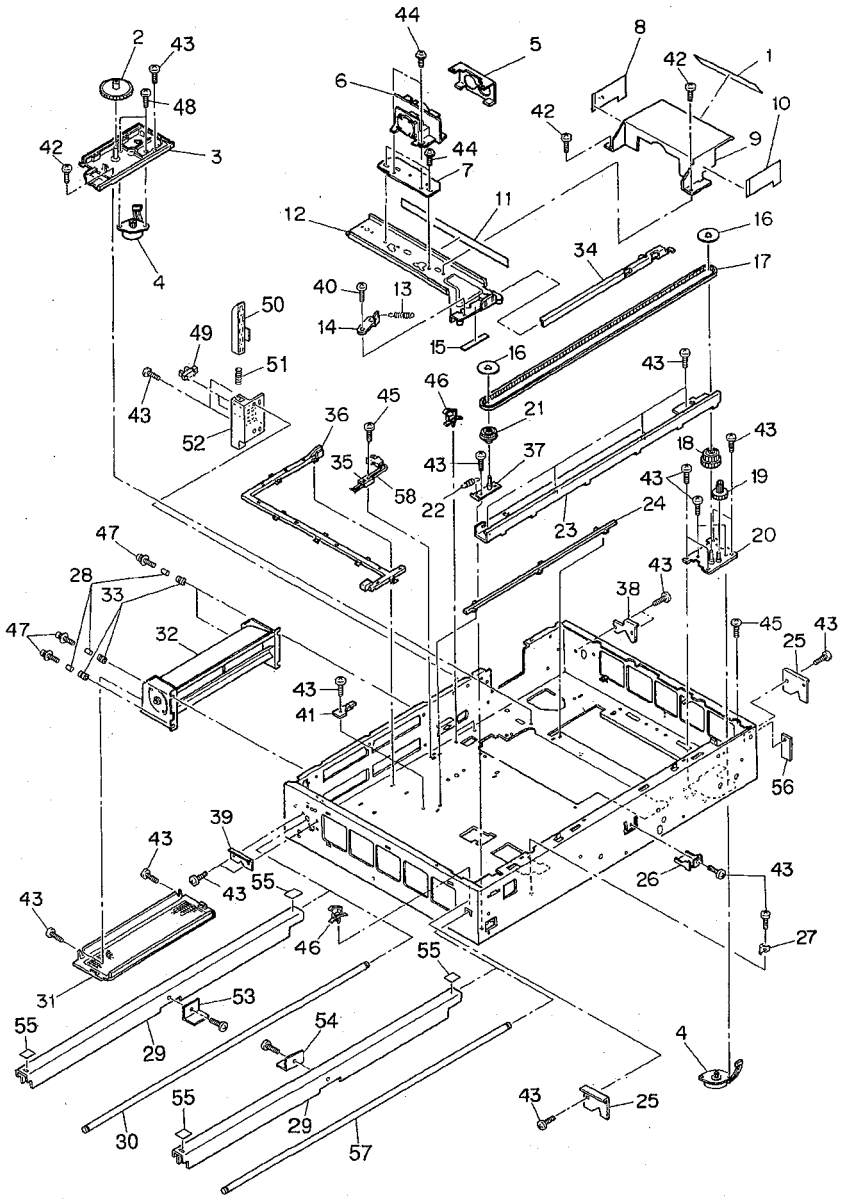
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPKD07742	Glass Support, Rear	1	C	D
2	FFPKE0892	Optics Cover (7117/21)	1	C	D
2	FFPKE0896	Optics Cover (7127/32/33/40)	1	C	D
3	FFPJC01971	Insulation Sheet D	1	C	C
4	FFPJC01891	Insulation Sheet A	1	C	C
5	FFPGB00201	Filter, Anti-Dust	2	C	A
6	FFPPJ01461	Cover Sheet	1	C	D
7	FFPWB0471	PCB Copy Density	1	C	C
8	FFPLL05012	AE Lever	1	C	D
9	FFPKN0274	Sponge Seal	1	C	B
10	FFPKE08932	Lower Cover	1	C	D
11	FFPKP0054	Felt	1	C	B
12	FFPKN0275	Sponge Seal	1	C	B
13	FFPLP07381	AE Spring	1	C	B
14	FFPKR14751	Holder, ADF Connector	1	C	D
15	GP3A57A1	Optics Sensor	1	C	B
16	FFPKR13891	ADF Bracket	1	C	D
17	FFPLT00906	Sleeve	1	C	C
18	FFPKR1387	Support, Glass Holder (7117/21)	1	C	D
18	FFPKR14862	Support, Glass Holder (7127/32/33/40)	1	C	D
19	FFPKS0669	Adjusting Plate	1	C	D
20	FFPXK03900	AE Solenoid (7117/21/27/32/33)	1	C	D
20	FFPXK03B40	AE Solenoid (7140)	1	C	D
21	FFPKR1580	Bracket, S0 Mounting	1	C	D
22	FFPKU01132	Reinforcement Bracket	1	C	D
23	FFPHK0634	Slide Sheet	1	C	C
24	XTB4+6F	Screw	10	C	D
25	XTB3+6F	Screw	15	C	D
26	XTB3+8G	Screw	7	C	D
27	UAMS05S2	Clamp	1	C	D
28	EDS2	Edge Saddle	1	C	D
29	XYN3+F6	Screw	2	C	D
30	XTW3+8G	Screw	2	C	D
31	FFPPJ0141	Cover Sheet	1	C	D
32	FFPXK33950	Sensor, Original Size (7127/32/33/40)	3	C	B
33	FFPXK34950	Sensor, Original Size (7127/32/33/40)	2	C	B
34	FFPKE0861	Cover, Sensor (7127/32/33/40)	1	C	D
35	FFPHK0817	Cover Sheet (7127/33/40 for Taiwan)	1	C	D
35	FFPHK0818	Cover Sheet (7127/32/40 for North America)	1	C	D
36	FFPWC1314	KM Harness (7127/33 for Taiwan)	1	C	D
36	FFPWC1360	KM Harness (7127/32 for North America)	1	C	D
36	FFPWC1361	KM Harness (7127/33 except North America)	1	C	D
36	FFPWC1457	KM Harness(7140 for North America)	1	C	D
36	FFPWC1458	KM Harness (7140 except North America)	1	C	D
37	FFPKH0300	AE Spacer	1	C	D
38	FFPPJ0149	Cover Sheet (7127/33/40 except North America)	1	C	D
39	FFPWC1312	AE Spacer	1	C	D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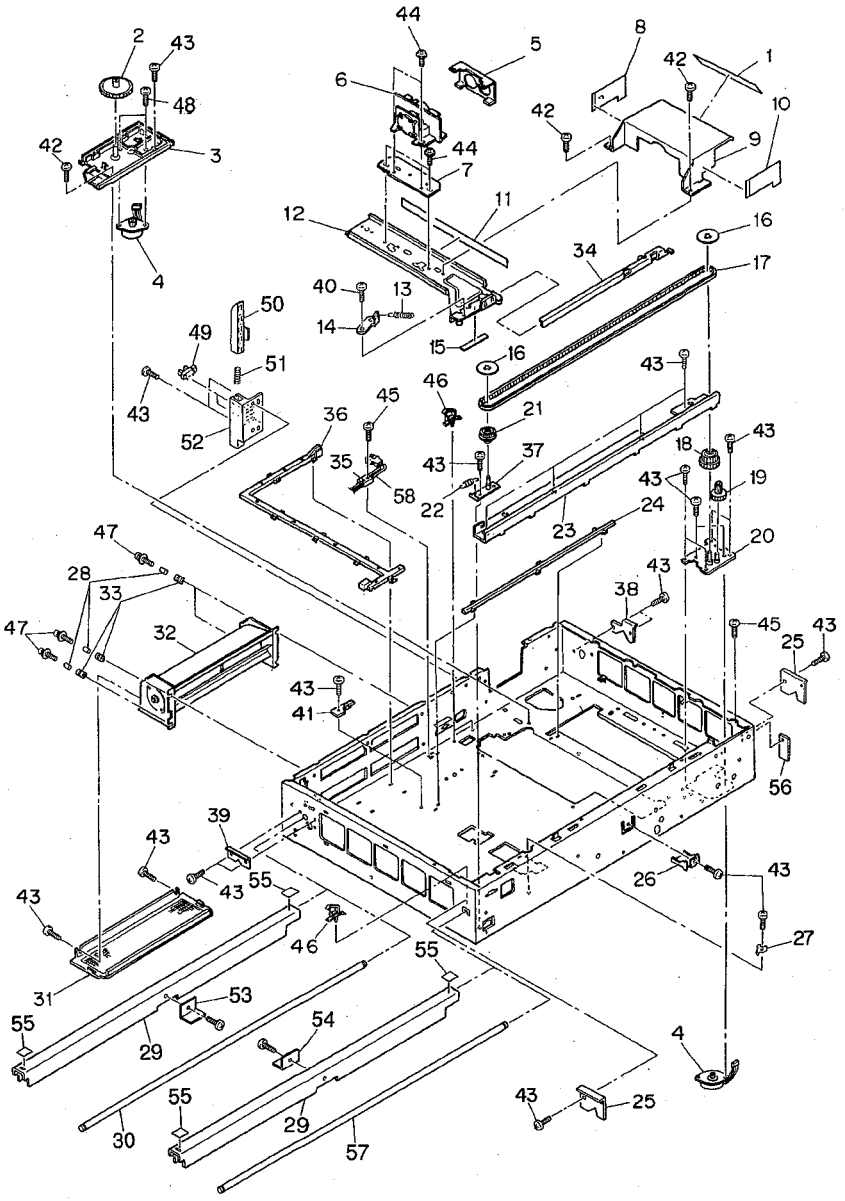
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPHK0808	Insulation Sheet	1	C	C
2	FFPMF0676	Idle Gear	1	C	C
3	FFPKB0696	Frame, 4/5 Mirror Drive	1	C	D
4	42SHA34B5EA	Stepping Motor	2	N	C
5	FFPJC01871	Slit, Supplementary (7117/21)	1	C	C
5	FFPJC02021	Slit, Supplementary (7127/32/33/40)	1	C	C
6	FFPGA0042	Lens (7117/21)	1	C	D
6	FFPGA0044	Lens (7127/32/33/40)	1	C	D
7	FFPKS06711	Adjusting Plate, Lens	1	C	D
8	FFPJC0204	Insulation Sheet E	1	C	C
9	FFPKE0894	Lens Cover	1	C	D
10	FFPJC0203	Insulation Sheet C	1	C	C
11	FFPJC01951	Insulation Sheet B	1	C	C
12	FFPKB08161	Lens Frame	1	C	D
13	FFPLP0856	Tension Spring	1	C	B
14	FFPXK46B00	Roller Arm	1	C	D
15	FFPHK0807	Slide Sheet	1	C	C
16	FFPKQ0074	Flange	2	C	D
17	FFPMN0082	Belt	1	C	C
18	FFPMB0137	Pulley (1)	1	C	D
19	FFPMF0675	Idle Gear, Lens	1	C	C
20	FFPKB0818	Bracket, Pulley Mounting	1	C	D
21	FFPMB0138	Pulley (2)	1	C	D
22	FFPLP0857	Tension Spring (7117/21)	1	C	B
22	FFPLP0815	Tension Spring (7127/32/33/40)	1	C	B
23	FFPKF11283	Rail, Lens Frame	1	C	D
24	FFPKF0940	Lens Rail	1	C	D
25	FFPKD1230	Support, Guide Shaft (7117/21)	2	C	D
26	FFPKR1383	Bracket, Optics Cover	1	C	D
27	FFPKD07771	Support	1	C	D
28	FFPLT0088	Rubber Sleeve, Anti-Vibration	4	C	B
29	FFPKF1207	Guide Shaft, Optics (7117/21)	1	C	D
29	FFPKF11741	Guide Shaft, Optics (7140)	2	C	D
30	FFPLG0961	Slide Shaft (7117/21)	1	C	D
30	FFPLG1159	Slide Shaft (7127/32/33)	1	C	D
31	FFPXK27950	Ozone Filter	1	C	D
32	FS04519BS	Optics Fan (7117/21/27/32)	1	C	C
32	CF24DC520923	Optics Fan (7140)	1	C	C
33	FFPKN0256	Rubber A, Anti-Vibration	4	C	B
34	FFPKS08951	Plate, Lens Positioning	1	C	D
35	FFPKD0773	Harness Holder	1	C	D
36	FFPKE0770	Harness Cover (7117/21/27/32/33)	1	C	D
36	FFPKE0851	Harness Cover (7140)	1	C	D
37	FFPKR1576	Plate, Pulley Mounting	1	C	D
38	FFPKD0775	Support, Slide Shaft (7117/21)	1	C	D
39	FFPKD0711	Support, Slide Shaft (7117/21)	1	C	D
40	FFPFA0121	Shoulder Screw	1	C	D
41	FFPKD0778	Metal Plate (2)	1	C	D
42	XTB3+6FFZ	Screw	3	C	D
43	XTB3+6F	Screw	25	C	D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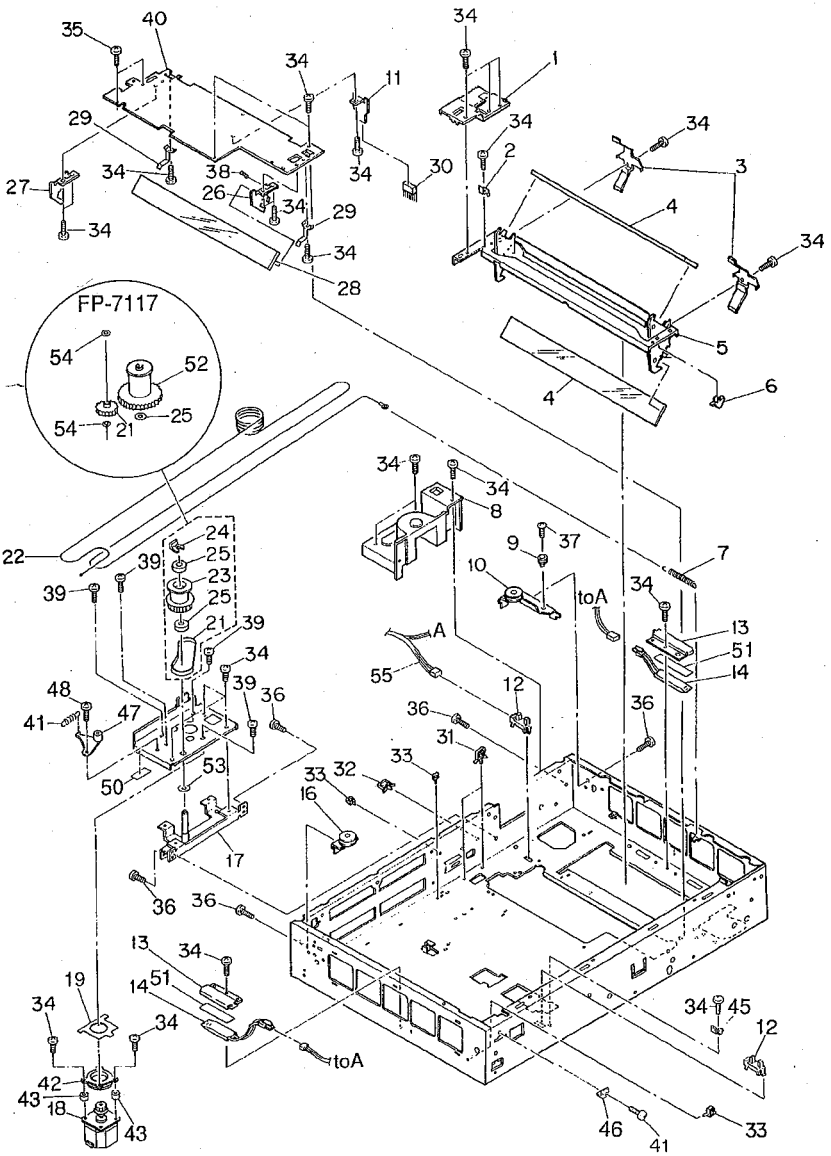
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
44	XYN3+F6	Screw	4	C	D
45	XTB3+8F	Screw	2	C	D
46	LWS1NA	Locking Wire Saddle	3	C	D
47	XTB4+F12	Screw	4	C	D
48	XSB3+6	Screw	2	C	D
49	GP1A71A1	Sensor (7127/32/33/40)	1	C	C
50	FFPLL04642	Switch Lever (7127/32/33/40)	1	C	D
51	FFPLP08141	Spring, Switch (7127/32/33/40)	1	C	C
52	FFPKQ01051	Switch Base (7127/32/33/40)	1	C	D
53	FFPKS0959	Positioning Plate, Front (7140)	1	C	D
54	FFPKS0960	Positioning Plate, Rear (7140)	1	C	D
55	FFPKN0324	Rubber B, Anti-Vibration (7140)	4	C	D
56	FFPPJ0151	Cover Sheet (7127/32/33)	1	C	D
57	FFPLG1158	Guide shaft, Optics (7127/32/33)	1	C	D
58	FFPWC1391	KHD Harness	1	C	D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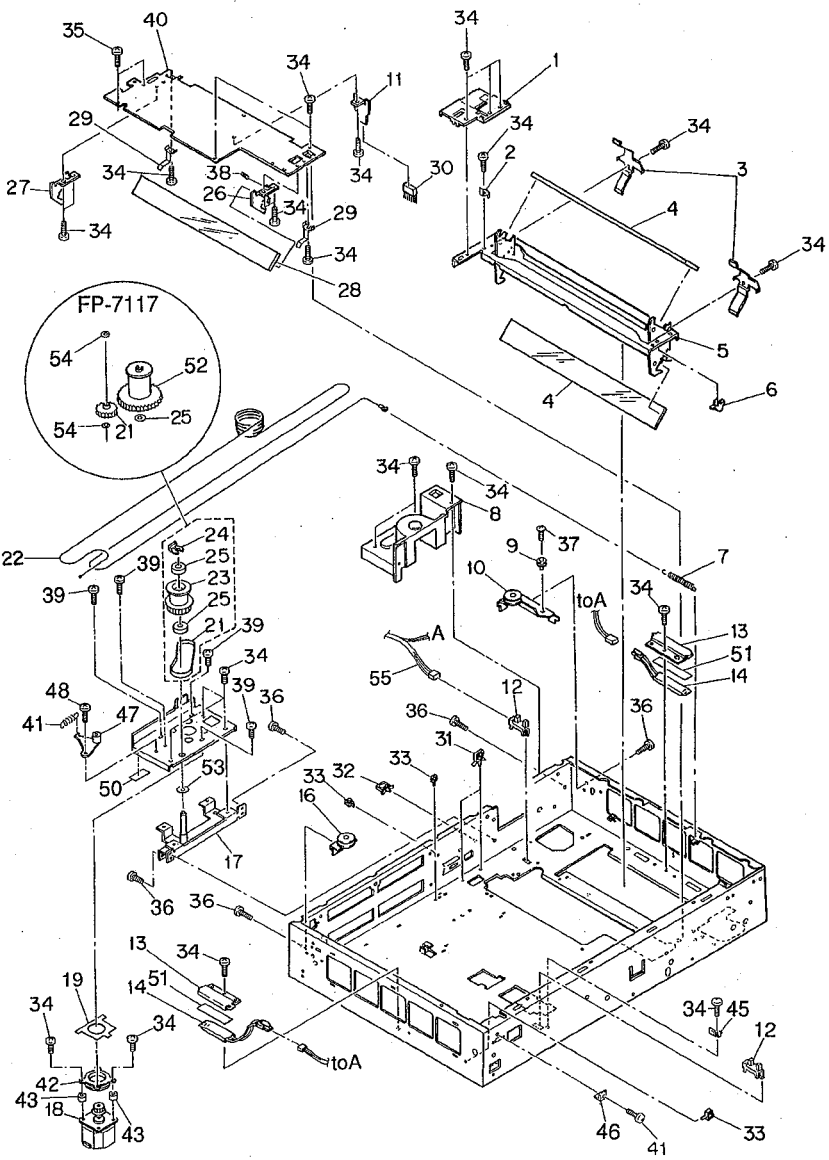
Optics Unit (7117/21/27/32/33)

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPMF07034	Rack	1	C	C
2	FFPKD07771	Support	1	C	D
3	FFPLQ0268	Spring, 4/5 Mirror Support	2	C	B
4	FFPGC0162	4/5 Mirror (7121/32/33)	2	C	D
4	FFPGC0156	4/5 Mirror (7117)	2	C	D
5	FFPKB06954	Frame, 4/5 Mirror	1	C	D
6	FFPKM0169	Slider	1	C	C
7	FFPLP0821	Tension Spring (7117/21/32/33)	1	C	B
7	FFPLP0902	Tension Spring (7127)	1	C	B
8	FFPKE077115	Cover	1	C	D
9	FFPMA0448	Pulley B	1	C	D
10	FFPXK229001	Pulley D with Bracket (7117/21)	1	C	D
10	FFPXK229503	Pulley D with Bracket (7127/32/33)	1	C	D
11	FFPKR1575	Bracket, Brush	1	C	D
12	GP1A71A1	Sensor, Reduction/Enlargement	2	C	B
13	FFPKD07791	Heater Holder	2	C	D
14	FFPCP0035	Heater, Dehumidification	2	C	C
15		==Not used==			
16	FFPXK20900	Pulley Bracket (7117/21)	1	C	D
16	FFPXK20950	Pulley Bracket (7127/32/33)	1	C	D
17	FFPXK23900	Motor Bracket (7117)	1	N	D
17	FFPXK23D21	Motor Bracket (7121)	1	N	D
17	FFPXK23E30	Motor Bracket (7127/32/33)	1	N	D
18	FFPXK31E00	Stepping Motor, Optics (7117)	1	C	C
18	FFPXK31D21	Stepping Motor, Optics (7121)	1	C	C
18	FFPXK31E30	Stepping Motor, Optics (7127/32/33)	1	C	C
19	FFPKR1650	Sub-plate, Motor	1	N	D
20	FFPXK249001	Motor Frame (7117)	1	C	D
20	FFPKR1649	Motor Frame (7121)	1	C	D
20	FFPKR16211	Motor Frame (7127/32/33)	1	C	D
21	FFPMN0081	Belt	1	C	D
22	FFPMW00451	Drive Cable (7117/21)	1	C	B
22	FFPMW00431	Drive Cable (7127/32/33)	1	C	B
23	FFPMD00191	Cable Drum (7117)	1	C	D
23	FFPMD0025	Cable Drum (7121)	1	C	D
23	FFPMD0020	Cable Drum (7127/32/33)	1	C	D
24	FFPFJ0033	Snap Ring (7121)	1	C	D
25	FFPMQ0430	Bearing 2 (7121)	2	C	D
25	FFPMQ0430	Bearing 2 (7127/32/33)	1	C	D
25	FFPMV0031	Polyslider (7117)	1	C	D
26	FFPKB08141	Front Frame	1	C	D
27	FFPKB08151	Rear Frame	1	C	D
28	FFPGC0163	No.6 Mirror (7121/32/33)	1	C	D
28	FFPGC0152	No.6 Mirror (7117)	1	C	D
29	FFPLQ0330	Spring, Mirror Support	2	C	C
30	FFPJG0001	Cleaning Brush	1	C	B
31	LWS1NA	Locking Wire Saddle	2	C	D
32	LWS2NA	Locking Wire Saddle	1	C	D
33	UAMS05S2	Clamp	3	C	D
34	XTB3+6F	Screw	26	C	D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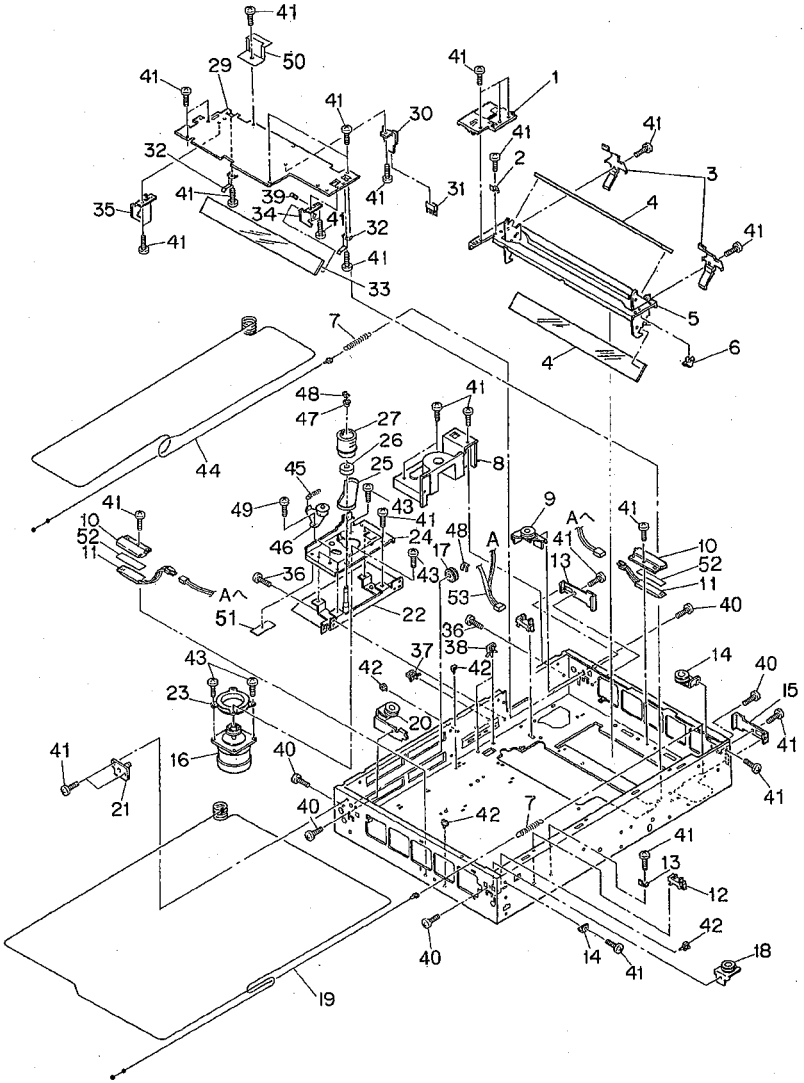
Optics Unit (7117/21/27/32/33) (Con't)

Ref. No.	Part No.	Description	Q'ty Per Unit	Common	Rank
35	XTB3+6FFZ	Screw	2	C	D
36	XTB4+6F	Screw	5	C	D
37	XTB4+8F	Screw	1	C	D
38	XXE3D8FP	Set Screw	1	C	D
39	XYN3+F6	Screw	6	C	D
40	FFPKR1574	Mirror Bracket	1	C	D
41	FFPLP0902	Tension Spring (7127/32/33)	1	C	C
42	FFPHL0012	Dumper (7117/21)	1	C	D
42	FFPHL0010	Dumper (7127/32/33)	1	C	D
43	FFPKH0316	Spacer	2	C	D
44		==Not used==			
45	FFPKD07771	Support	1	C	D
46	FFPKF1047	Roller Guide (7127/32/33)	1	C	D
47	FFPXK56B40	Tension Lever (7127/32/33)	1	C	D
48	FFPFA0121	Shoulder Screw (7127/32/33)	1	C	D
49		==Not used==			
50	FFPHK0869	Sheet (7127/32/33)	1	C	D
51	FFPHK0901	Insulation Sheet	1	C	D
52	FFPMF0700	Idle Gear (7117)	1	C	D
53	FFPLQ0405	Spring (7132/33)	1	C	D
54	FFPMV0010	Polyslider (7117)	1	C	D
55	FFPWC1314	KM Harness (7127/33 for Taiwan)	1	C	D
55	FFPWC1360	KM Harness (7127/32 for North America)	1	C	D
55	FFPWC1361	KM Harness (7127/33 except North America)	1	C	D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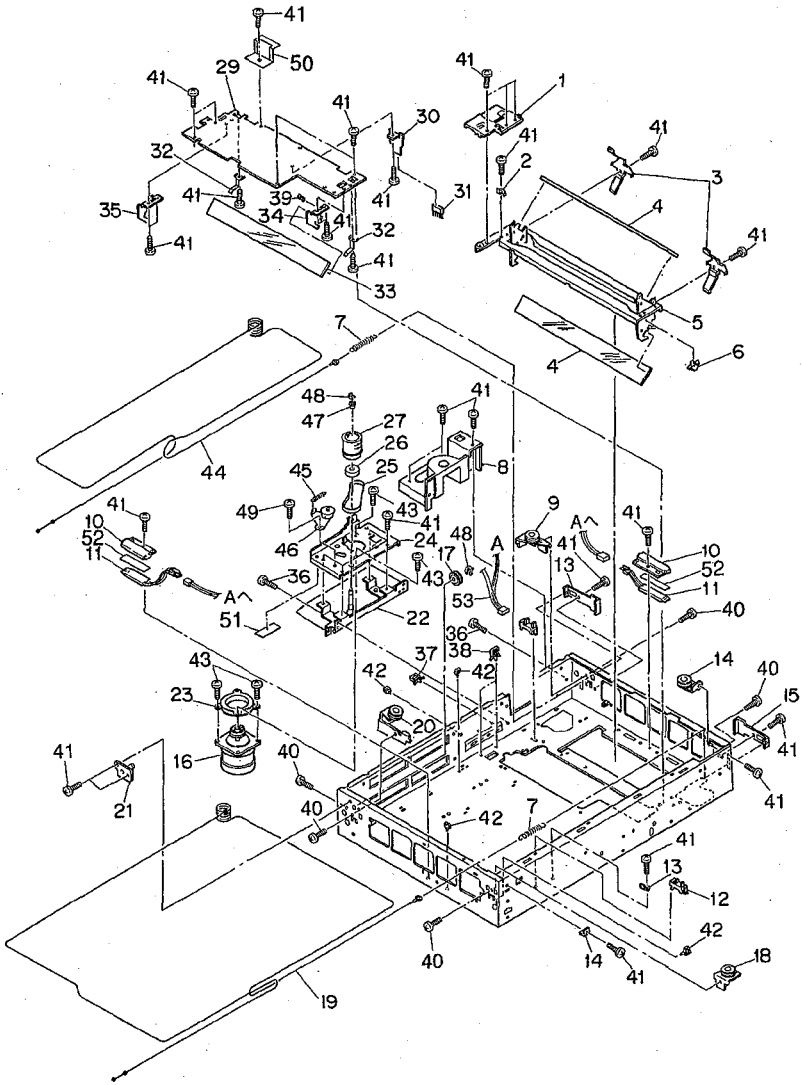
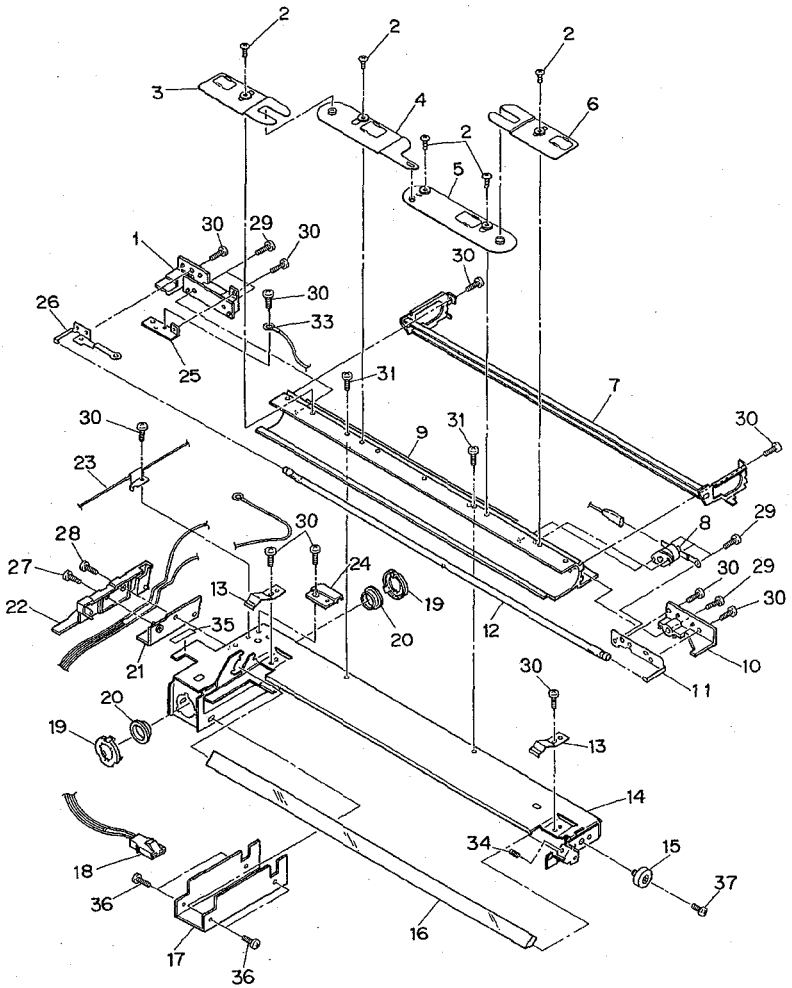
Optics Unit (7140)

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPMF07034	Rack	1	C	C
2	FFPKD07771	Support	1	C	D
3	FFPLQ0268	Spring, 4/5 Mirror Support	2	C	B
4	FFPGC0162	4/5 Mirror	2	C	D
5	FFPKB06954	Frame, 4/5 Mirror	1	C	D
6	FFPKM0169	Slider	1	C	C
7	FFPLP09031	Tension Spring	2	C	B
8	FFPKE077115	Cover	1	C	D
9	FFPXK54B40	Pulley Bracket	1	C	D
10	FFPKD07791	Heater Holder	2	C	D
11	FFPCP0035	Heater, Dehumidification	2	C	C
12	GP1A71A1	Sensor, Reduction/Enlargement	2	C	B
13	FFPKD1191	Cable Support R	2	C	D
14	FFPXK52B40	Pulley Bracket	2	C	D
15	FFPKD1190	Cable Support F	1	C	D
16	FFPXK31B50	Stepping Motor, Optics	1	C	C
17	FFPMB0046	Pulley	1	C	D
18	FFPXK53B40	Pulley Bracket	1	C	B
19	FFPMW0048	Drive Cable 2	1	C	D
20	FFPXK55B40	Pulley Bracket	1	C	D
21	FFPXK51B40	Pulley Bracket	1	C	B
22	FFPXK23B40	Motor Frame	1	C	D
23	FFPHL0010	Rubber, Anti-Vibration	1	C	D
24	FFPKR16211	Bracket, Motor Mounting	1	C	D
25	FFPMN0081	Belt	1	C	B
26	FFPMQ0430	Bearing	1	C	C
27	FFPMD00241	Cable Drum	1	C	D
28		==Not used==			
29	FFPKR1574	Bracket, No. 6 Mirror	1	C	D
30	FFPKR1575	Bracket, Brush	1	C	D
31	FFPJG0001	Cleaning Brush	1	C	B
32	FFPLQ0330	Spring, Mirror Support	2	C	C
33	FFPGC0163	No. 6 Mirror	1	C	D
34	FFPKB08141	Front Frame	1	C	D
35	FFPKB08151	Rear Frame	1	C	D
36	XTB4+6F	Screw	2	C	D
37	LWS2NA	Locking Wire Saddle	1	C	D
38	LWS1NA	Locking Wire Saddle	2	C	D
39	XXE3D8FP	Set Screw	1	C	D
40	XTB4+8F	Screw	5	C	D
41	XTB3+6F	Screw	34	C	D
42	UAMS05S2	Clamp	3	C	D
43	XYN4+F10	Screw	3	C	D
44	FFPMW0047	Drive Cable 1	1	C	D
45	FFPLP0902	Spring	1	C	B
46	FFPXK56B40	Tension Lever	1	C	D
47	FFPMQ0485	Bushing	1	C	C
48	FFPFJ0033	Snap Ring	2	C	D
49	FFPFA0121	Shoulder Screw	1	C	D
50	FFPKD10031	Metal Plate	1	C	D



Optics Unit (7140)(Con't)

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
51	FFPHK0869	Sheet	1	C	D
52	FFPHK0901	Insulated Sheet	2	C	D
53	FFPWC1457	KM Harness (for North America)	1	C	D
53	FFPWC1458	KM Harness (except North America)	1	C	D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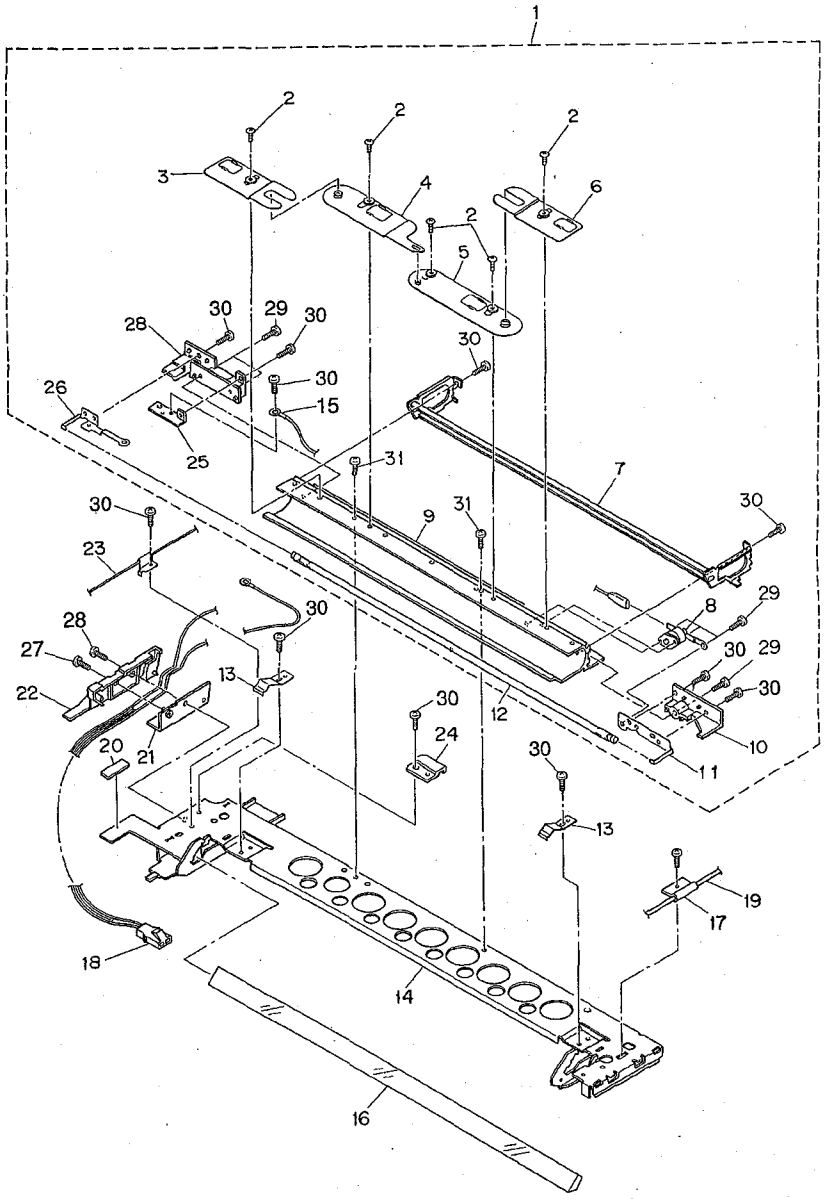
Optics, Exposure Lamp (7117/21/27/32/33)

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPKD07822	Exposure Lamp Unit	1	C	A
2	FFPFA0111	Screw, Slit Plate	5	C	D
3	FFPJC0191	Adjust Plate, Optics	1	C	D
4	FFPJC0194	Adjust Plate, Optics	1	C	D
5	FFPJC0192	Adjust Plate, Optics	1	C	D
6	FFPJC0193	Adjust Plate, Optics	1	C	D
7	FFPXK33900	Sub Reflector	1	C	D
8	FFPXK15900	Thermostat	1	C	D
9	FFPGC0170	Main Reflector (7121)	1	C	D
9	FFPGC01701	Main Reflector (7117/27/32/33)	1	C	D
10	FFPKD0781	Lamp Bracket, Front	1	C	D
11	FFPKD07831	Lamp Terminal, Front	1	C	D
12	E08V025WN2A	Exposure Lamp			
	or	(for North America/Taiwan)	1	C	A
12	JK08V025WF67	Exposure Lamp			
		(for North America/Taiwan)	1	C	A
12	E16V025WN2A	Exposure Lamp			
	or	(except North America/Taiwan)	1	C	A
12	JK16V025WF67	Exposure Lamp			
		(except North America/Taiwan)	1	C	A
13	FFPLQ0267	Spring, No.1 Mirror	2	C	B
14	FFPKB06852	Lamp Frame (7117/21)	1	C	D
14	FFPKB07521	Lamp Frame (7127/32/33)	1	C	D
15	FFPMA0510	Guide Roller (7117/21)	1	C	B
15	FFPMA0351	Guide Roller (7127/32/33)	1	C	B
16	FFPGC0160	No.1 Mirror (7121/27/32/33)	1	C	D
16	FFPGC0153	No.1 Mirror (7117)	1	C	D
17	FFPKU0116	Support Plate (7127/32/33)	1	C	D
18	FFPWC1202	LP Harness (7117/21)	1	C	D
18	FFPWC1315	LP Harness (7127/32/33)	1	C	D
19	FFPKD0785	Bushing Support	2	C	D
20	FFPMQ0357	Bushing (7117/21)	2	C	B
20	FFPMQ0429	Bushing (7127/32/33)	2	C	B
21	FFPKF0943	Harness Guide 2	1	C	D
22	FFPKF0944	Harness Guide 3	1	C	D
23	FFPMW00451	Drive Cable	1	C	B
24	FFPKF0942	Harness Guide 1	1	C	D
25	FFPKD0992	Round-edge Holder	1	C	D
26	FFPKD07842	Lamp Terminal	1	C	D
27	XTB3+8G	Screw	1	C	D
28	XTB3+10F	Screw	1	C	D
29	XYN3+A8-B	Screw	6	C	D
30	XTB3+6F	Screw	11	C	D
31	XSB4+8	Screw	2	C	D
32		==Not used==			
33	FFPWC1244	LP Harness 2	1	C	D
34	XXE3D8FP	Set Screw	1	C	D
35	FFPPJ0141	Insulation Sheet	1	C	D
36	XTB3+6FFZ	Screw	4	C	D
37	FFPFA0135	Shoulder Screw	1	C	D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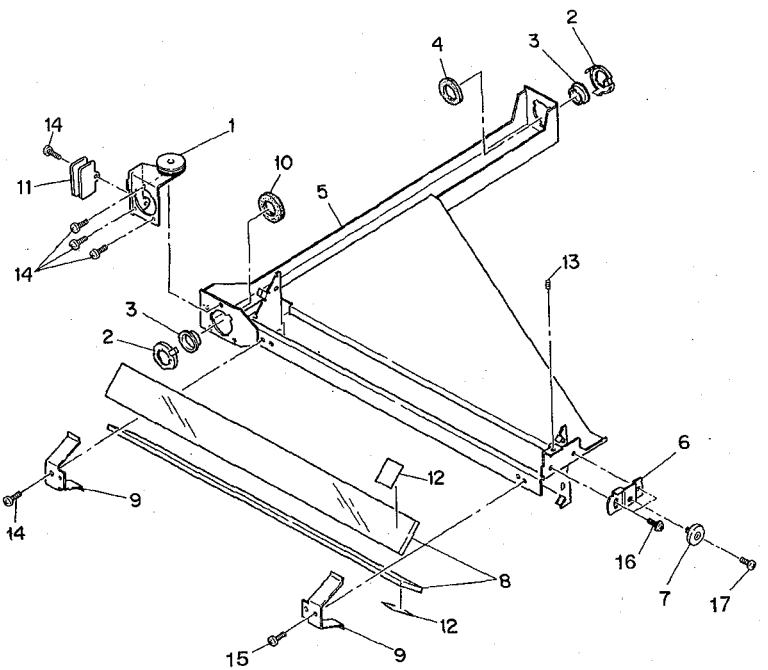
Optics, Exposure Lamp (FP-7140)

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPXK17B40	Exposure Lamp Unit	1	C	A
2	FFPFA0111	Screw, Slit Plate	4	C	D
3	FFPJC0191	Adjust Plate, Optics	1	C	D
4	FFPJC0194	Adjust Plate, Optics	1	C	D
5	FFPJC0192	Adjust Plate, Optics	1	C	D
6	FFPJC0193	Adjust Plate, Optics	1	C	D
7	FFPXK33900	Sub Reflector	1	C	D
8	FFPXK15900	Thermostat	1	C	D
9	FFPGC0170	Main Reflector	1	C	D
10	FFPKD0781	Lamp Bracket, Front	1	C	D
11	FFPKD07831	Lamp Terminal, Front	1	C	D
12	E08V025WN2A	Exposure Lamp			
	or	(for North America/Taiwan)	1	C	A
12	JK08V025WF67	Exposure Lamp			
		(for North America/Taiwan)	1	C	A
12	E16V025WN2A	Exposure Lamp			
	or	(except North America/Taiwan)	1	C	A
12	JK16V025WF67	Exposure Lamp			
		(except North America/Taiwan)	1	C	A
13	FFPLQ0267	Spring, No.1 Mirror	2	C	B
14	FFPKD11923	Lamp Frame	1	C	D
15	FFPWC1244	LP Harness 2	1	C	D
16	FFPGC0169	No.1 Mirror	1	C	D
17	FFPKD07822	Lamp Bracket,Rear	1	C	D
18	FFPWC1315	LP Harness	1	C	D
19	FFPMW0048	Drive Cable 2	1	C	D
20	FFPPJ0141	Insulation Sheet	1	C	D
21	FFPKF0944	Harness Guide 3	1	C	D
22	FFPKF0943	Harness Guide 2	1	C	D
23	FFPMW0047	Drive Cable 1	1	C	B
24	FFPKF0942	Harness Guide 1	1	C	D
25	FFPKD0992	Round-Edge Holder	1	C	D
26	FFPKD07842	Lamp Terminal	1	C	D
27	XTB3+8G	Screw	1	C	D
28	XTB3+10F	Screw	1	C	D
29	XYN3+A8-B	Screw	6	C	D
30	XYC3+JF8	Screw	11	C	D
31	XSB4+8F	Screw	2	C	D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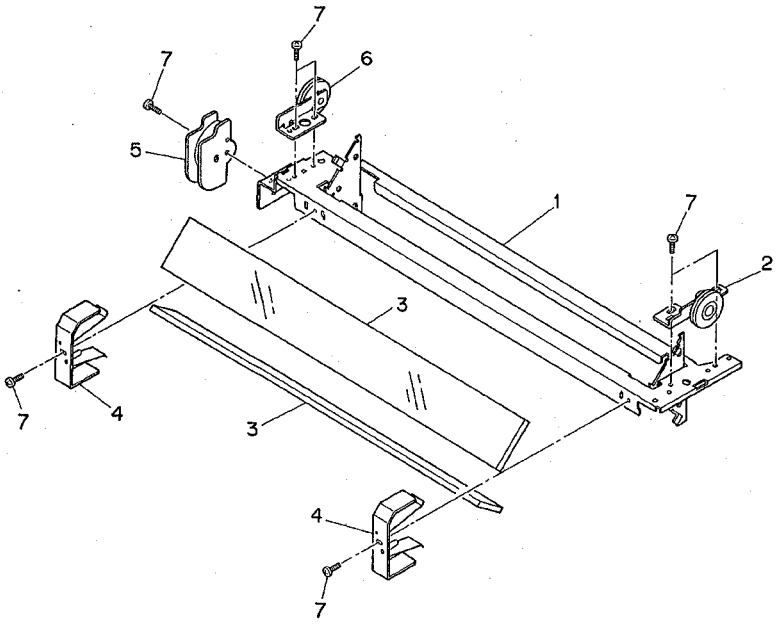
Optics, Half Speed Unit (7117/21/27/32/33)

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPXK129002	Pulley Bracket (7117/21)	1	C	D
1	FFPMB0194	Pulley Bracket (7127/32/33)	1	C	D
2	FFPKD0785	Bushing Support	2	C	D
3	FFPMQ0357	Bushing	2	C	B
4	FFPKP0048	Cleaning Felt	1	C	B
5	FFPKB06994	Frame, Half Speed Unit (7117/21)	1	C	D
5	FFPKB08131	Frame, Half Speed Unit (7127/32/33)	1	C	D
6	FFPKR13931	Support, Guide Roller	1	C	D
7	FFPMA0510	Guide Roller (7117/21)	1	C	B
7	FFPMA0351	Guide Roller (7127/32/33)	1	C	B
8	FFPGC0161	No.2/3 Mirror (7121/27/32/33)	2	C	D
8	FFPGC0159	No.2/3 Mirror (7117/)	2	C	D
9	FFPLQ0278	Mirror Support (7117/21)	2	C	B
9	FFPLQ0318	Mirror Support (7132/33)	2	C	B
10	FFPKP0059	Felt	1	C	B
11	FFPMB01751	Harness Guide (7117/21)	1	C	D
12	FFPKN0282	Sheet, Mirror Support	2	C	D
13	XXE3D10FP	Set Screw	1	C	D
14	XTB3+6F	Screw (7117/21)	4	C	D
15	XTB3+6FFZ	Screw	2	C	D
16	XYN3+F6	Screw	2	C	D
17	FFPFA0135	Shoulder Screw	1	C	D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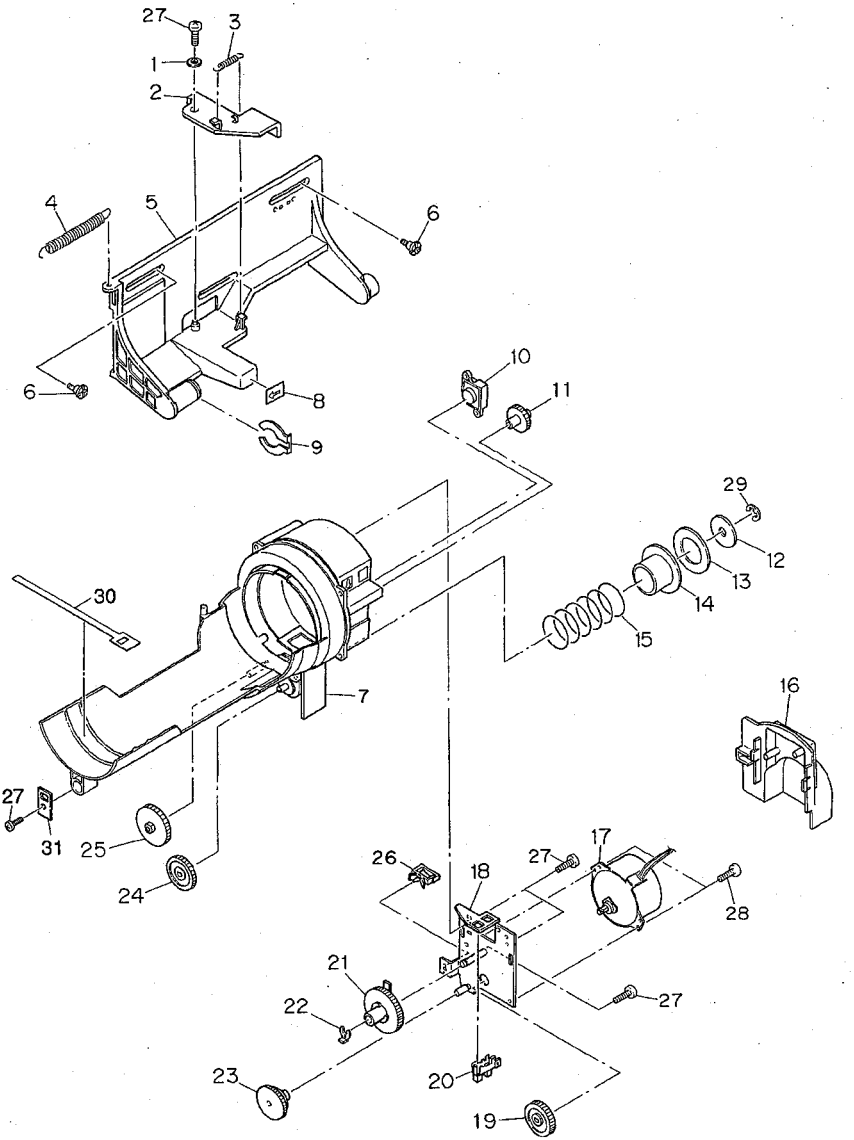
Optics, Half Speed Unit (7140)

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPXK36B405	Frame, Half speed Unit	1	C	D
2	FFPXK57B401	Pulley, Front	1	C	D
3	FFPGC0172	No 2,3 Mirror	2	C	D
4	FFPLQ0362	Mirror Support	2	C	B
5	FFPMB01751	Harness Guide	1	C	D
6	FFPXK58B401	Pulley, Rear	1	C	D
7	XTB3+6F	Screw	7	C	D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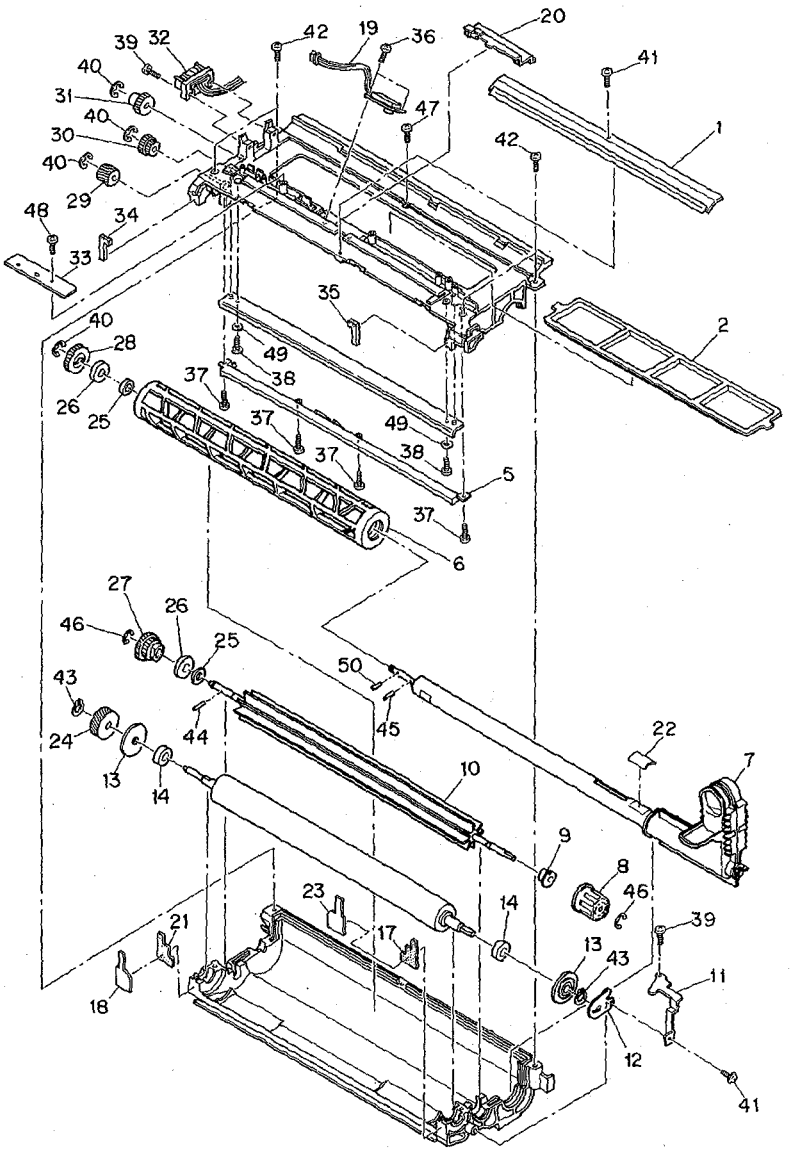
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	XWG3	Washer	1	C	D
2	FFPLL04031	Slide Lever	1	C	D
3	FFPLP0734	Hook Spring	1	C	B
4	FFPLP07351	Tension Spring	1	C	B
5	FFPKQ00733	Slide Bracket, Hopper	1	C	D
6	FFPLG09411	Slide Pin	2	C	D
7	FFPXH10D111	Hopper Unit semi-Ass'y (7117/21/32/33)	1	C	D
7	FFPXH1095011	Hopper Unit semi-Ass'y (7127)	1	C	D
7	FFPXH10B402	Hopper Unit semi-Ass'y (7140)	1	C	D
8	FFPTE1668	Label, CDI (7132/33)	1	C	D
8	FFPTE1666	Label, Do not turn	1	C	D
9	FFPKF0938	Stopper	1	C	D
10	TS15A20-09	Toner Sensor	1	C	B
11	FFPMF0696	Gear 1, Hopper Sensor (7117/21/27/32/33)	1	C	C
11	FFPMF0897	Gear 1, Hopper Sensor (7140)	1	C	C
12	FFPKF0937	Washer	1	C	D
13	FFPHP06342	Seal	1	C	B
14	FFPKS0664	Hopper Shutter	1	C	D
15	FFPLP0733	Shutter Spring	1	C	B
16	FFPKE07671	Gear Cover	1	C	D
17	D125J60-36	Bottle Motor (7117/21)	1	C	C
17	D125J60-37A	Bottle Motor (7127/32/33/40)	1	C	C
18	FFPXH02950	Bracket, Motor Mounting	1	C	D
19	FFPMF06951	Motor Gear (7117/21/27/32/33)	1	C	C
19	FFPMF0894	Motor Gear (7140)	1	C	C
20	GP1A71A1	Sensor, Bottle Position	1	C	B
21	FFPMF0698	Hopper Gear (7117/21/27/32/33)	1	C	C
21	FFPMF0895	Hopper Gear (7140)	1	C	C
22	FFPFJ0033	Snap Ring	1	C	D
23	FFPMF0798	Idle Gear (7117/21/27/32/33)	1	C	C
23	FFPMF08961	Idle Gear (7140)	1	C	C
24	FFPMF06971	Hopper Gear	1	C	C
25	FFPMF0699	Shaft Gear 2, Sensor	1	C	C
26	LWS1S	Locking Wire Saddle	1	C	C
27	XTB3+8G	Screw	5	C	D
28	XTB3+6F	Screw	2	C	D
29	XUC5VM	E Ring	1	C	D
30	FFPHK0849	Slide Sheet (7140)	1	C	D
31	FFPHK0672	Bottle Stopper Sheet (7117/21)	1	C	D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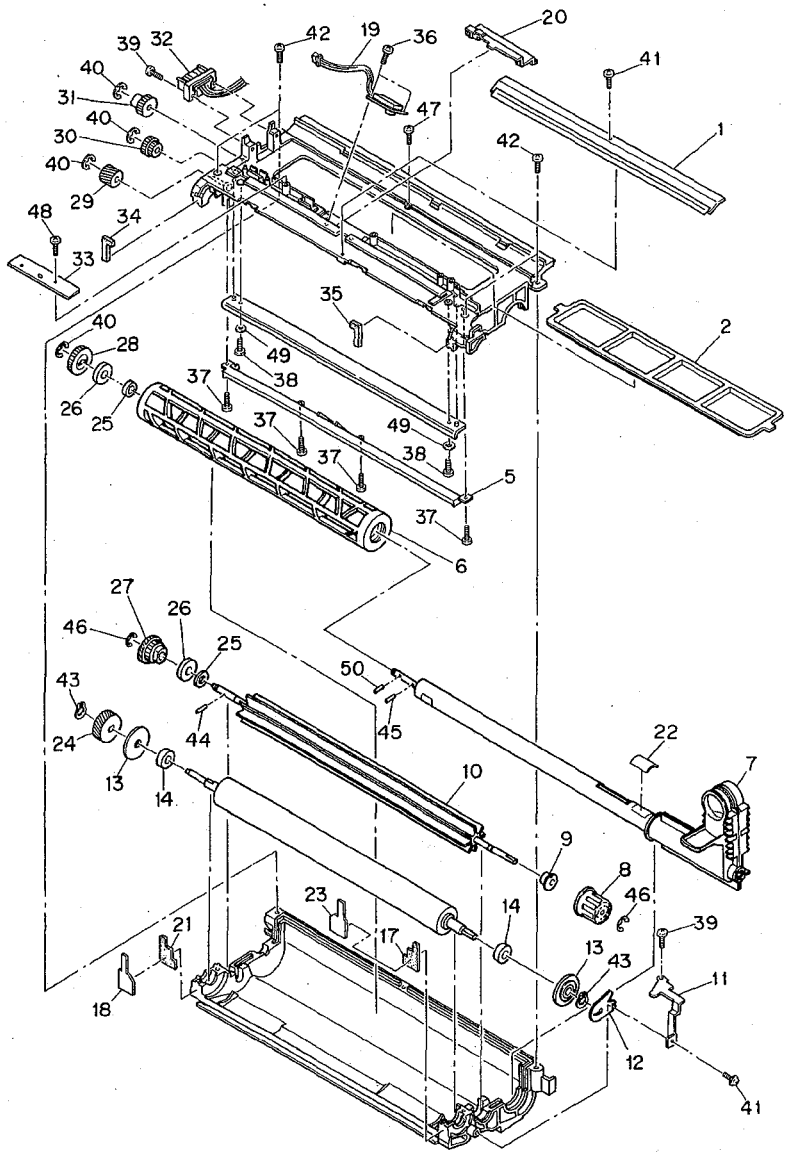
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
0	FFPUG01C90	Developer Unit Ass'y (7117/21)	1	C	D
0	FFPUG01C92	Developer Unit Ass'y (7127/32/33)	1	C	D
0	FFPUG01B402	Developer Unit Ass'y (with Fan Unit)(7140)	1	C	D
1	FFPKE0938	Plate, Toner Dispersion	1	C	D
2	FFPQF0031	Frame Lid, Developer	1	C	D
3		==Not used==			
4		==Not used==			
5	FFPKM02551	Separator	1	C	D
6	FFPXG03B40	Toner Feeder	1	C	D
7	FFPXG04C92	Pipe, Toner Supply	1	C	D
8	FFPLA00881	Knob, Stirring Paddle	1	C	C
9	FFPMQ0483	Bushing, Developer	1	C	B
10	FFPHH00712	Stirring Paddle	1	C	D
11	FFPDF0226	Bias Lead (3), Developer	1	C	C
12	FFPKD0760	Support, Magnetic Pole (7117/21/27/32/33)	1	C	D
12	FFPKD1184	Support, Magnetic Pole (7140)	1	C	D
13	FFPHQ00311	Spacer Ring (7127/32/33)	2	C	A
13	FFPHQ0042	Spacer Ring (7117/21)	2	C	A
13	FFPHQ0041	Spacer Ring (7140)	2	C	A
14	FFPMQ0366	Bearing	2	C	B
15		==Not used==			
16		==Not used==			
17	FFPHP06732	Side Seal, Developer	1	C	A
18	FFPKN0328	Side Seal, Rear (7117/21/27/32/33)	1	C	A
18	FFPKN02891	Side Seal, Rear (7140)	1	C	A
19	TS0524LA-15	Sensor, Toner Density	1	C	B
20	FFPKE0937	Cover, TD Sensor	1	C	D
21	FFPHP06562	Side Seal, Developer	1	C	A
22	FFPMQ0445	Slider	1	C	D
23	FFPKN0329	Side Seal, Front (7117/21/27/32/33)	1	C	A
23	FFPKN02901	Side Seal, Front (7140)	1	C	A
24	FFPMF0686	Gear, Magnetic Roller	1	C	C
25	FFPHP05531	Seal	2	C	D
26	FFPMQ0504	Bearing (7117/21)	2	C	B
26	FFPMQ0273	Bearing (7127/32/33/40)	2	C	B
27	FFPMF0889	Gear, Stirring Paddle	1	C	C
28	FFPMF0893	Gear, Toner Feed	1	C	C
29	FFPMF0688	Idle Gear 1 (7117/21/27/32/33)	1	C	C
29	FFPMF08901	Idle Gear 1 (7140)	1	C	C
30	FFPMF0891	Idle Gear 2	1	C	C
31	FFPMF0892	Idle Gear 3	1	C	C
32	FFPWC12221	BG Harness (7117/21/27/32/33)	1	C	D
32	FFPWC1453	BG Harness (7140)	1	C	D
33	FFPKE0939	Harness Cover	1	C	D
34	FFPHP0696	Side Seal L	1	C	A
35	FFPHP0697	Side Seal R	1	C	A
36	XSB3+4BN	Screw	2	C	D
37	XTB3+10G	Screw	4	C	D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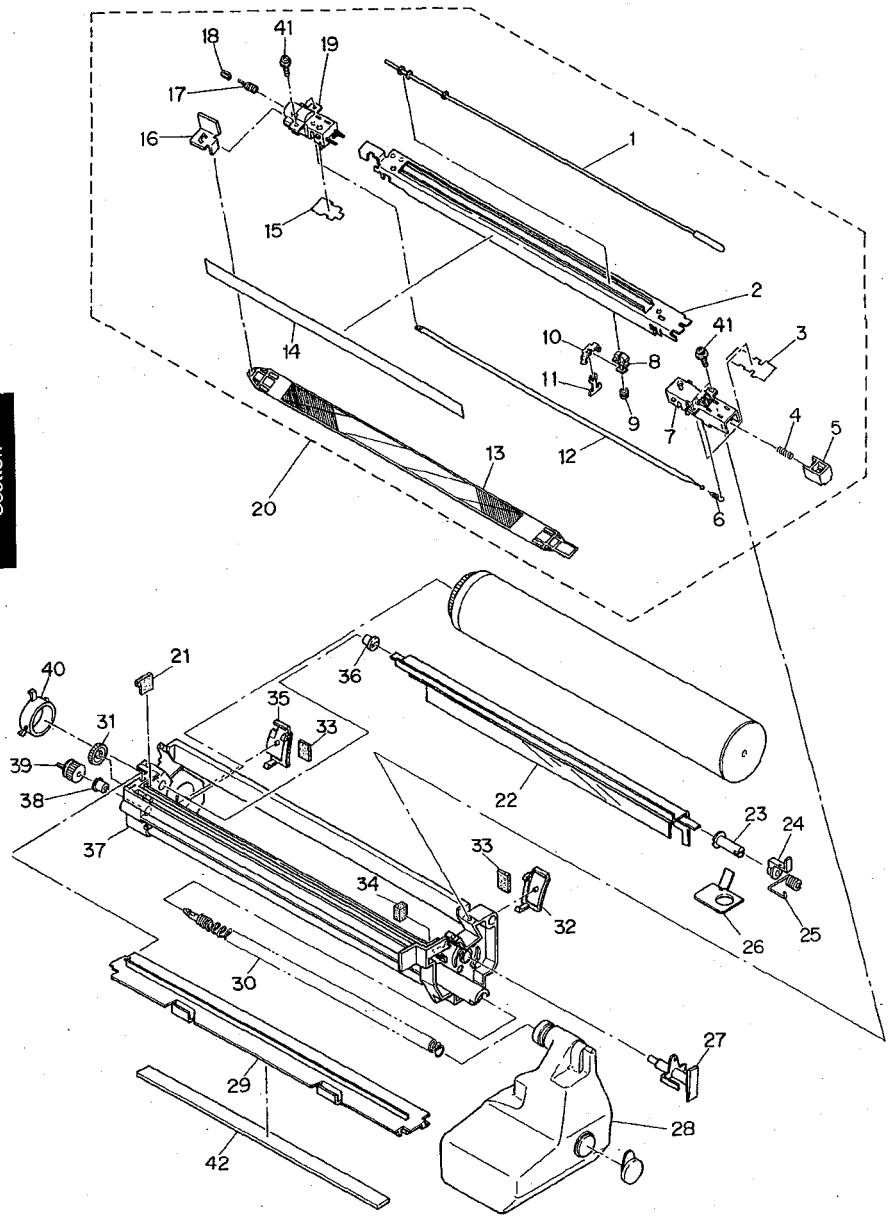
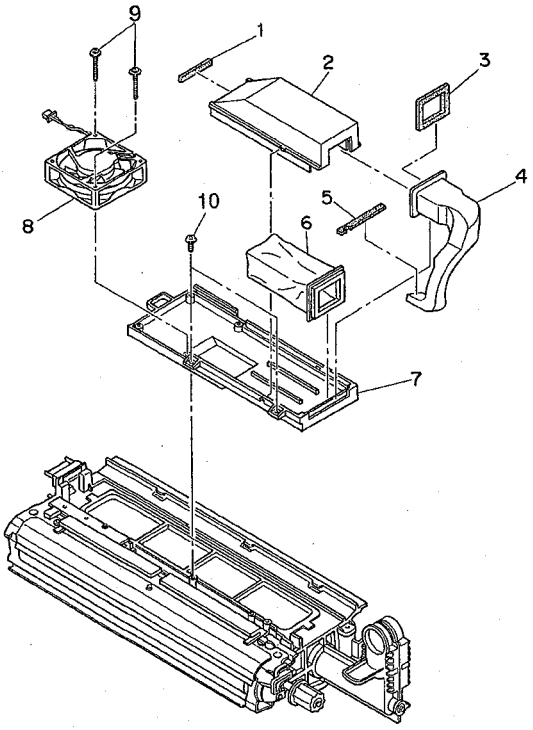
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
38	XSB4+6BN	Screw	2	C	D
39	XTB3+10G	Screw	2	C	D
40	XUC5VM	E Ring	4	C	D
41	XYN3+F6	Screw	2	C	D
42	XYN4+F16	Screw	4	C	D
43	XUB10VM	C Ring	2	C	D
44	XPJ2D10WV	Pin	1	C	D
45	XPL2A12WV	Spring Pin	1	C	D
46	XUC4VM	E Ring	2	C	D
47	XTB4+10G	Screw	1	C	D
48	XTB3+6G	Screw	1	C	D
49	XWE4BN	Washer	2	C	D
50	XPJ2D12WV	Pin	1	C	D

Developer Section



Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
0	FFPUG03B503	Drum Unit Ass'y, w/o Drum	1	C	D
1	FFPLG1226	Cleaning Shaft	1	C	D
2	FFPKE07652	Corona Case	1	C	D
3	FFPJA0228	Corona Lid, Front	1	C	A
4	FFPLP0722	Tension Spring, Grid	1	C	B
5	FFPKQ00691	Grid Base	1	C	A
6	FFPLP07671	Tension Spring 2	1	C	A
7	FFPJA02383	Corona Base, Front	1	C	A
8	FFPKQ0070	Cleaning Base B, Cable	1	C	B
9	FFPXG59950	Base C Ass'y, Cable Cleaning	1	C	B
10	FFPXG56950	Base A Ass'y, Cable Cleaning	1	C	B
11	FFPHK06501	Grid Cleaner	1	C	B
12	FFPEY0052	Corona Wire 2	1	C	A
13	FFPKS06751	Corona Grid	1	C	C
14	FFPJC01881	Shield Cover, Corona	1	C	C
15	FFPJA0229	Corona Lid, Rear	1	C	A
16	FFPDF02081	Grid Lead	1	C	A
17	FFPLP0769	Spring, Socket	1	C	B
18	FFPDA00264	Socket	1	C	A
19	FFPJA02301	Corona Base, Rear	1	C	A
20	FFPXG60B501	No.1 Corona Ass'y	1	C	B
21	FFPHP0652	Sponge Seal 11	1	C	A
22	FFPHK06331	Cleaning Blade	1	C	A
23	FFPLT01002	Shaft, Front	1	C	D
24	FFPMQ0374	Blade Support	1	C	D
25	FFPLR01961	Spring, Blade Pressure	1	C	B
26	FFPLL04021	Release Lever	1	C	D
27	FFPLG09513	Drum Support, Front	1	C	D
28	FFPQA0150	Toner Bottle, Waste	1	C	A
29	FFPXG639001	Cleaning Cover Ass'y	1	C	D
30	FFPHG0036	Recycle Coil	1	C	D
31	FFPMF0693	Idle Gear, Recycle Coil	1	C	C
32	FFPHP06382	Side Seal, Front	1	C	A
33	FFPHP0650	Sponge Seal 9	2	C	A
34	FFPHP06511	Sponge Seal 10	1	C	A
35	FFPHP06352	Side Seal, Rear	1	C	A
36	FFPLT0099	Blade Shaft, Rear	1	C	D
37	FFPXG50B501	Frame, Drum Unit	1	C	D
38	FFPMQ0280	Bushing	1	C	B
39	FFPMF0692	Gear, Recycle Coil	1	C	C
40	FFPMQ03721	Drum Bushing	1	C	B
41	XYN3+F8	Screw	4	C	D
42	FFPHP0699	Blade Seal	1	C	D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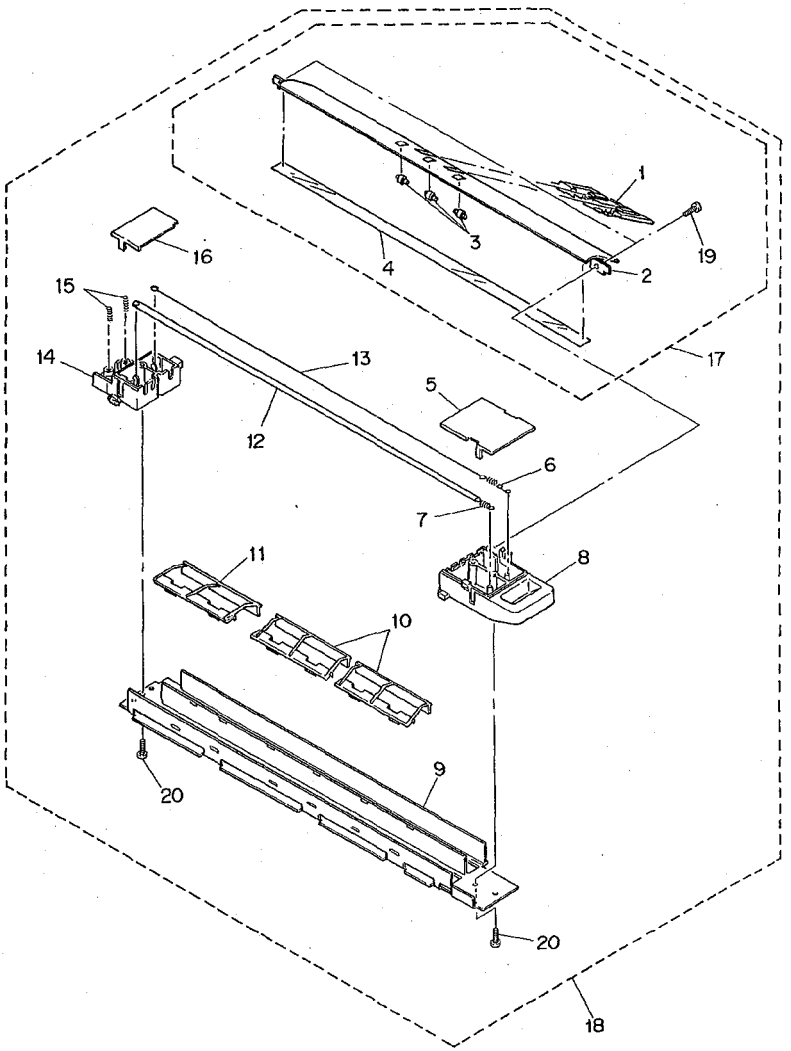
Developer Unit, Fan (7140)

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
0	FFPUG01B402	Developer Unit Ass'y (with Fan Unit)	1	C	D
1	FFPHP0700	Cover Seal	1	C	B
2	FFPKE0934	Filer Collecter	1	C	D
3	FFPHP0701	Duct Seal	1	C	B
4	FFPHA0062	Duct, Dust Collector	1	C	D
5	FFPHP0702	Duct Seal	1	C	B
6	FFPHJ0030	Filter, Dust Collector	1	C	A
7	FFPXG03B40	Base, Filter Mounting	1	C	D
8	S06D24DURC1	Suction Fan	1	C	C
9	XYN3+F35	Screw	2	C	D
10	XYN3+F8	Screw	2	C	D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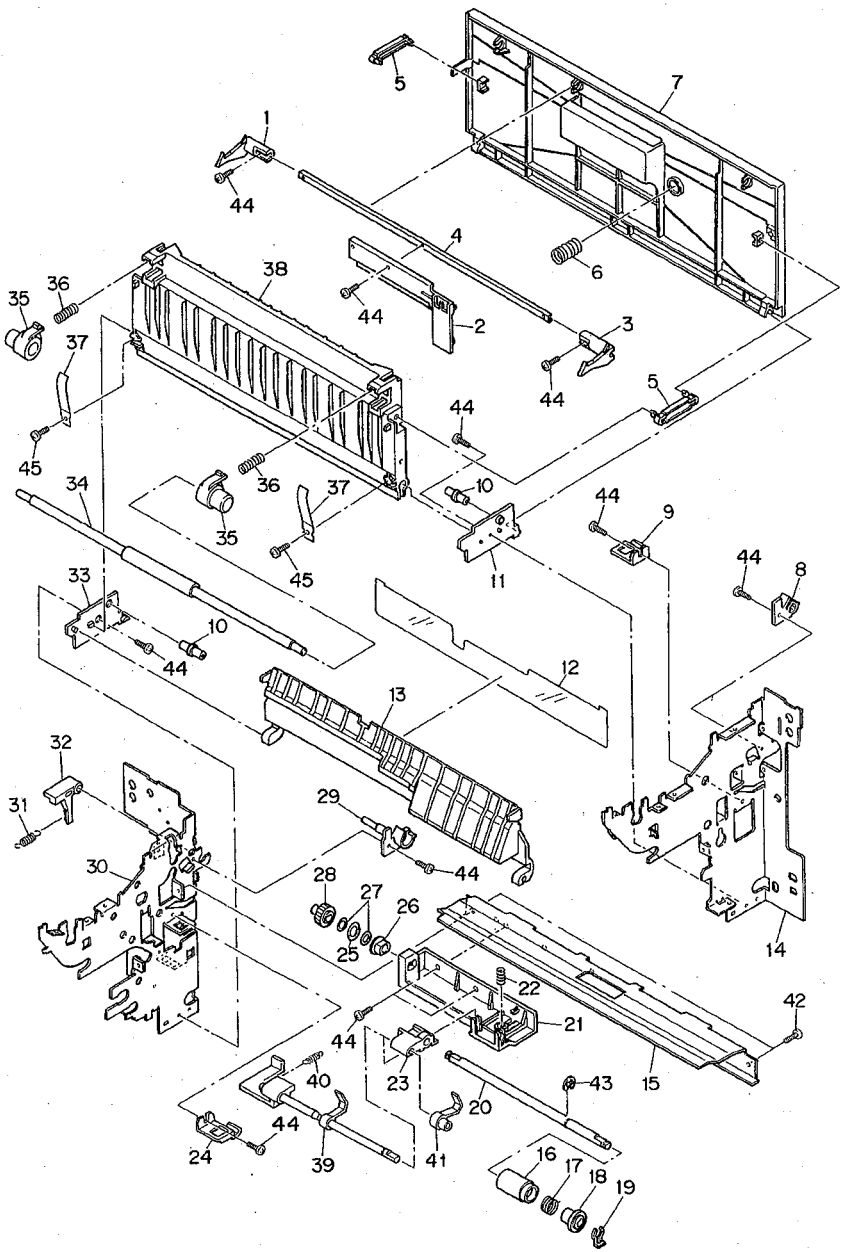
Corona No. 2

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPKD1045	Roller Support	1	C	D
2	FFPKF10531	Transfer Guide	1	C	D
3	FFPMA0421	Roller	3	C	B
4	FFPHK0642	Mylar Sheet	1	C	B
5	FFPJA02332	Corona Cover, Front	1	C	A
6	FFPLP07661	Tension Spring 1	1	C	A
7	FFPLP07671	Tension Spring 2	1	C	A
8	FFPJA02326	Corona Block, Front	1	C	A
9	FFPKQ01092	Frame, No.2 Corona	1	C	D
10	FFPLK02232	Separation Finger L	2	C	A
11	FFPLK02242	Separation Finger R	1	C	A
12	FFPEY0052	Corona Wire 2	1	C	A
13	FFPEY0051	Corona Wire 1	1	C	A
14	FFPJA02346	Corona Block, Rear	1	C	A
15	FFPLP0765	Spring	2	C	B
16	FFPJA02361	Corona Cover, Rear	1	C	A
17	FFPXL02957		1	C	C
17	FFPXL02950	Transfer Guide Ass'y	1	C	C
18	FFPVL019571		1	C	A
18	FFPVL01A421	No.2 Corona Ass'y	1	C	A
19	XYN3+F6	Screw	2	C	D
20	XTB4+10G	Screw	2	C	D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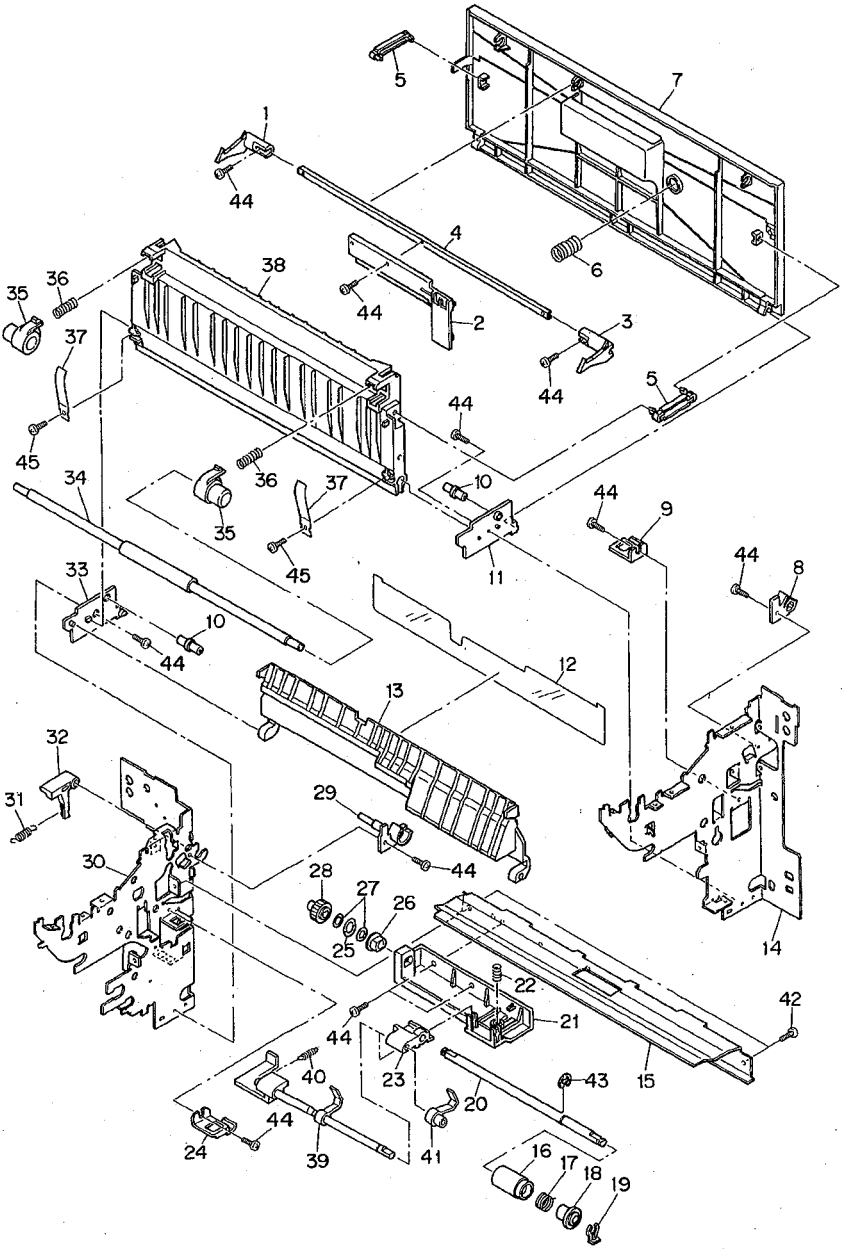
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
0	FFPUQ01C201	Paper Feed Unit Ass'y (7117 for North America)	1	C	D
0	FFPUQ01C232	Paper Feed Unit Ass'y (7117 except North America)	1	C	D
0	FFPUQ01D21	Paper Feed Unit Ass'y (7121 for North America)	1	C	D
0	FFPUQ01D231	Paper Feed Unit Ass'y (7121 except North America)	1	C	D
0	FFPUQ01B401	Paper Feed Unit Ass'y (7127/32/40 for North America)	1	C	D
0	FFPUQ01B432	Paper Feed Unit Ass'y (7127/33/40 except North America)	1	C	D
1	FFPLL05001	Lever 2	1	C	D
2	FFPLL04143	Lever	1	C	D
3	FFPLL0499	Lever 1	1	C	D
4	FFPKD11261	Lever Shaft	1	C	D
5	FFPLK0232	Connecting Arm	2	C	D
6	FFPLP0851	Lever Spring	1	C	C
7	FFPKE078211	Cover, Paper Feed	1	C	D
8	FFPKD1117	Tray Holder, Front	1	C	D
9	FFPKF1112	Lever Guide, Front	1	C	D
10	FFPKF09861	Hinge Stopper	2	C	D
11	FFPKQ0119	Hinge Block 1	1	C	D
12	FFPHK0865	Guide Mylar (7140)	1	C	D
13	FFPXA67B501	Paper Guide 2	1	C	D
14	FFPKB0805	Front Frame, Paper Feed	1	C	D
15	FFPXQ85B501	Guide Paper, Sheet Bypass	1	C	D
16	FFPMA03781	DFP Roller	1	C	A
17	FFPLR0198	Spring	1	C	B
18	FFPLU00251	Boss	1	C	C
19	FFPFJ0033	Snap Ring	1	C	D
20	FFPLG1247	Roller Shaft	1	C	D
21	FFPKR15681	Bracket	1	C	D
22	FFPLP07581	Spring	1	C	B
23	FFPLL04021	Arm	1	C	D
24	FFPKF1129	Lever Guide R	1	C	D
25	FFPLQ0323	Spring Washer	1	C	D
26	FFPMQ03961	Bushing	1	C	B
27	FFPMV0010	Polyslider	2	C	D
28	FFPMF0730	Gear 16T	1	C	C
29	FFPKD1118	Tray Holder R	1	C	D
30	FFPXQ72C40	Rear Frame, Paper Feed (7121/27/32/33)	1	C	D
30	FFPXQ72B501 Rear	Frame, Paper Feed (7117)	1	C	D
30	FFPXQ72B40	Rear Frame, Paper Feed (7140)	1	C	D
31	FFPLP0855	Tension Spring (7117/21/27/32/33)	1	C	B
31	FFPLP0906	Tension Spring (7140)	1	C	B
32	FFPLL05072	Lever	1	C	D
33	FFPKQ0120	Hinge Block 2	1	C	D
34	FFPLG12411	Transport Roller	1	C	B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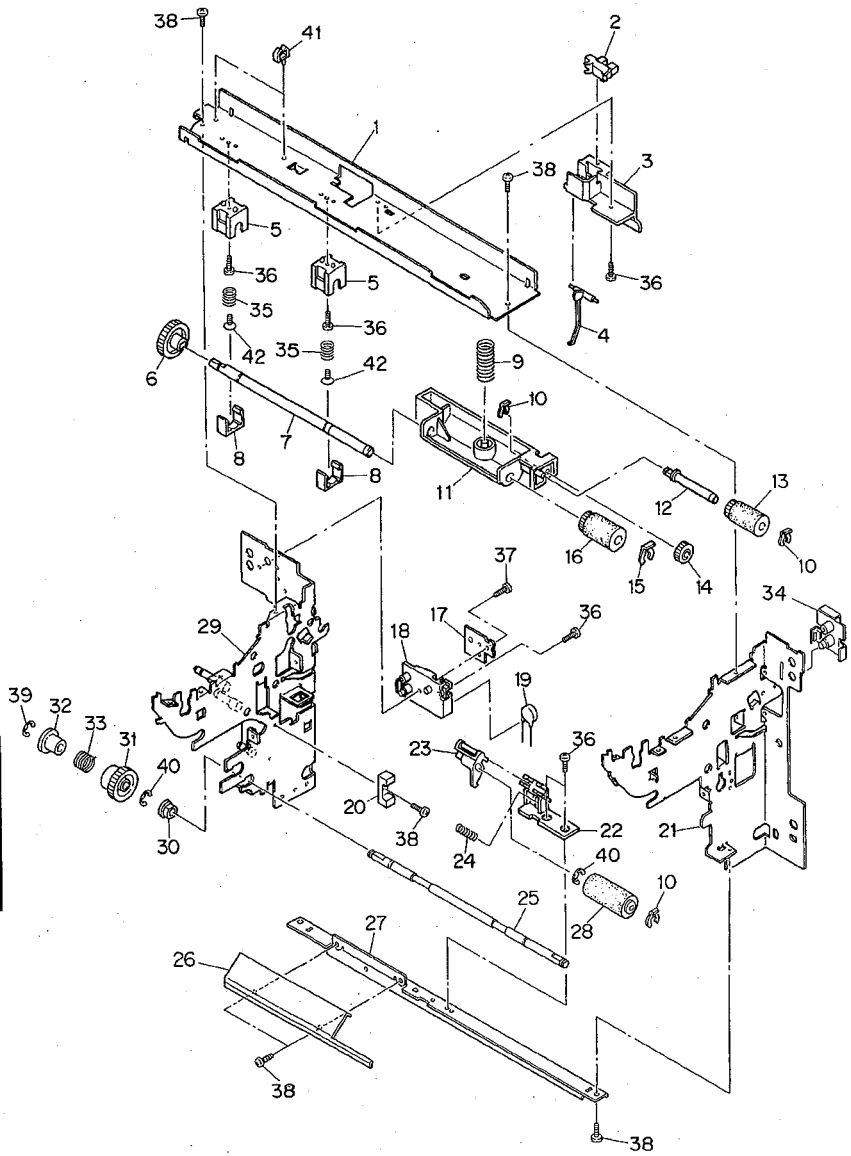
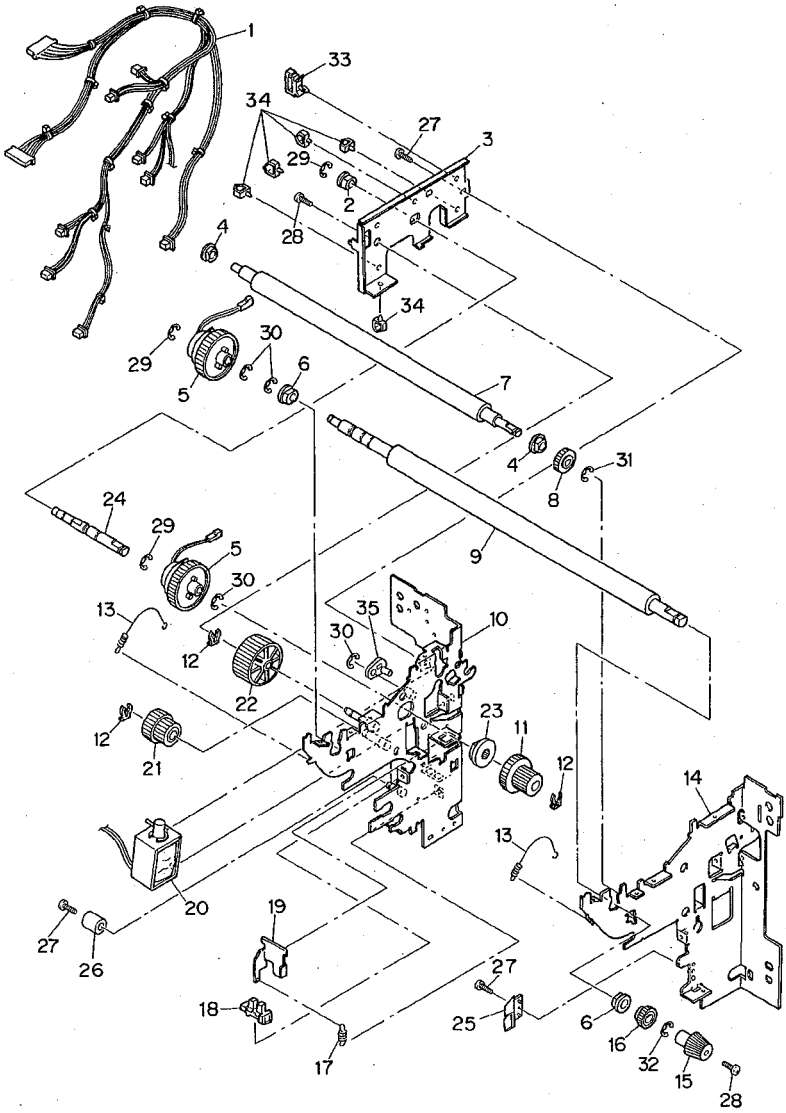
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
35	FFPKD08353	Bushing	2	C	D
36	FFPLP08991	Tension Spring	2	C	B
37	FFPLQ03191	Spring	2	C	B
38	FFPKF09644	Paper Guide 3	1	C	D
39	FFPKF1135	Stopper	1	C	D
40	FFPLP0859	Tension Spring	1	C	B
41	FFPLL05101	Stopper Lever	1	C	D
42	XTB4+8F	Screw	1	C	D
43	XUC5VM	E Ring	1	C	D
44	XTB3+8F	Screw	11	C	D
45	XTB3+8G	Screw	2	C	D

Paper Feed Section

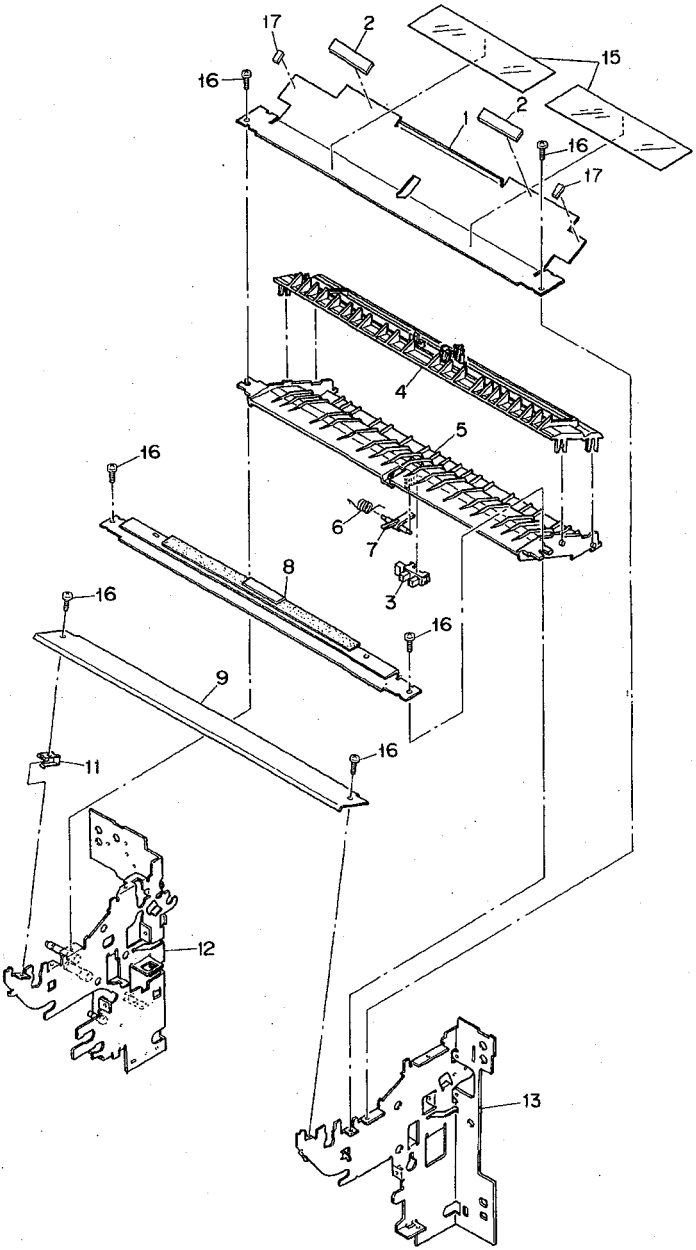


Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPKD11361	Roller Support, Paper Feed	1	C	D
2	GP1A71A1	Sensor	1	C	C
3	FFPKQ0118	Sensor Bracket	1	C	D
4	FFPLL04253	Sensor Lever	1	C	D
5	FFPMQ0448	Shaft Support, Paper Feed	2	C	D
6	FFPMF0729	Gear, 24T	1	C	C
7	FFPLG1233	Roller Shaft, Paper Feed	1	C	D
8	FFPKD0852	Support, Roller Shaft	2	C	D
9	FFPLP0762	Tension Spring	1	C	B
10	FFPFJ0033	Snap Ring	3	C	D
11	FFPKR1569	Bracket 1	1	C	D
12	FFPLG1023	Roller Shaft	1	C	D
13	FFPMA03771	Roller, Paper Feed	1	C	A
14	FFPMF07311	Idle Gear	1	C	C
15	FFPFJ0039	Snap Ring	1	C	D
16	FFPMA0159	Roller, Pick up	1	C	A
17	FFPDF0243	Ground Plate	1	C	D
18	FFPKH0265	Spacer, Insulation	1	C	D
19	ERZC10DK781	ZNR	1	C	D
20		==Not used==			
21	FFPKB0805	Front Frame, Paper Feed	1	C	D
22	FFPKD10361	Support	1	C	D
23	FFPLL04681	DFP Arm	1	C	D
24	FFPLP08161	Pressure Spring	1	C	B
25	FFPLG1248	DFP Shaft	1	C	D
26	FFPXQ75B401	Paper Guide	1	C	D
27	FFPKS08911	Stay, Reinforcement	1	C	D
28	FFPMA04201	DFP Roller	1	C	A
29	FFPXQ72C40	Rear Frame, Paper Feed (7121/27/32/33)	1	C	D
29	FFPXQ72B501	Rear Frame, Paper Feed (7117)	1	C	D
29	FFPXQ72B40	Rear Frame, Paper Feed (7140)	1	C	D
30	FFPMQ0166	Bushing	1	C	D
31	FFPMF0792	Drive Gear	1	C	C
32	FFPLU00251	Boss	1	C	D
33	FFPLR0217	Spring Clutch	1	C	B
34	FFPKH0264	Spacer, Insulation	1	C	D
35	FFPLP0898	Pressure Spring	2	C	B
36	XTB3+8F	Screw	6	C	D
37	XTB3+8G	Screw	1	C	D
38	XTB4+8F	Screw	6	C	D
39	XUC4VM	E Ring	1	C	D
40	XUC5VM	E Ring	2	C	D
41	UAMS05S2	Clamp	2	C	D
42	XSS4+6-P	Screw	2	C	D

Paper Feed Section



Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPWC1476	RB Harness (7117/21)	1	C	D
1	FFPWC1451	RB Harness (7127/32/33/40)	1	C	D
2	FFPMQ03961	Bushing	1	C	B
3	FFPKS08901	Sub Plate	1	C	D
4	FFPMQ0094	Bushing	2	C	D
5	FFPXQ43B43	Magnet Clutch	2	C	A
6	FFPMQ0093	Bushing	2	C	B
7	FFPMA0444	Timing Roller, Idle	1	C	C
8	FFPMF0724	Gear, Timing Roller	1	C	C
9	FFPMA0443	Timing Roller, Drive	1	C	D
10	FFPXQ72C40	Rear Frame, Paper Feed (7121/27/32/33)	1	C	D
10	FFPXQ72B501	Rear Frame, Paper Feed (7117)	1	C	D
10	FFPXQ72B40	Rear Frame, Paper Feed (7140)	1	C	D
11	FFPMF07281	Gear, 32/16T	1	C	C
12	FFPFJ0039	Snap Ring	3	C	D
13	FFPLP07561	Tension Spring	2	C	B
14	FFPKB0805	Front Frame	1	C	D
15	FFPLA00812	Knob, Paper Feed	1	C	C
16	FFPMF0725	Gear, Timing Roller	1	C	C
17	FFPLP0119	Tension Spring	1	C	B
18	GP1A71A1	Sensor	1	C	C
19	FFPLL0504	Actuator	1	C	D
20	FFPXQ50B40	HF Solenoid	1	C	D
21	FFPMF08012	Idle Gear (7117/21)	1	C	C
21	FFPMF08011	Idle Gear (7127/32/33/40)	1	C	C
22	FFPMF0726	Idle Gear, 46T	1	C	C
23	FFPMQ03941	Bushing (7117/21/27/32/33)	1	C	B
23	FFPMQ0484	Bushing (7140)	1	C	B
24	FFPLG12342	Clutch Shaft	1	C	D
25	FFPKF1170	Guide Plate	1	C	C
26	FFPKH0273	Spacer	1	C	D
27	XTB3+8F	Screw	3	C	D
28	XYN3+F8	Screw	2	C	D
29	XUC5VM	E Ring	3	C	D
30	XUC7VM	E Ring	4	C	D
31	XUC4VM	E Ring	1	C	D
32	XUC6VM	E Ring	1	C	D
33	LWS1S	Locking Wire Saddle	1	C	D
34	UAMS05S2	Clamp	5	C	D
35	FFPLL0506	Lever	1	C	D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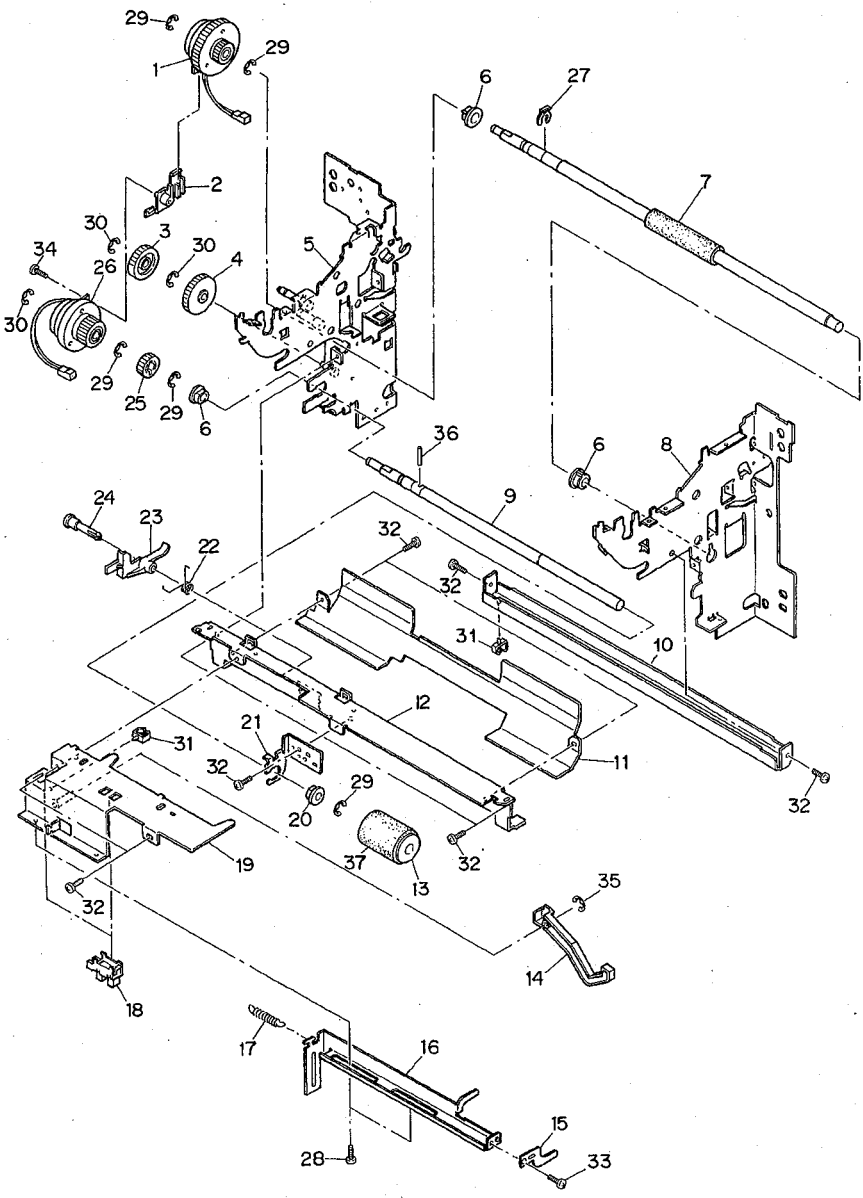
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPXQ87B50	Paper Guide 1 (7117/21/27/32/33)	1	C	D
1	FFPXQ87B40	Paper Guide 1 (7140)	1	C	D
2	FFPKU0150	Support, Cleaning Sheet	2	C	B
3	GP1A71A1	Sensor	1	C	C
4	FFPKF11151	Paper Guide C	1	C	D
5	FFPKF1118	Paper Guide B	1	C	D
6	FFPLR0199	Release Spring	1	C	B
7	FFPLL04241	Sensor lever (7117/21)	1	C	D
7	FFPLL04932	Sensor lever (7127/32/33/40)	1	C	D
8	FFPXQ83B501	Paper Guide Ass'y	1	C	D
9	FFPKF11131	Upper Guide	1	C	D
10		==Not used==			
11	FFPDF0244	Ground Plate	1	C	D
12	FFPXQ72C40	Rear Frame, Paper Feed (7121/27/32/33)	1	C	D
12	FFPXQ72B501	Rear Frame, Paper Feed (7117)	1	C	D
12	FFPXQ72B40	Rear Frame, Paper Feed (7140)	1	C	D
13	FFPKB0805	Front Frame	1	C	D
14		==Not used==			
15	FFPHK0826	Guide Mylar	2	C	B
16	XTB4+8F	Screw	6	C	D
17	FFPKN0257	Rubber, Vibration (for FP-7140)	2	C	B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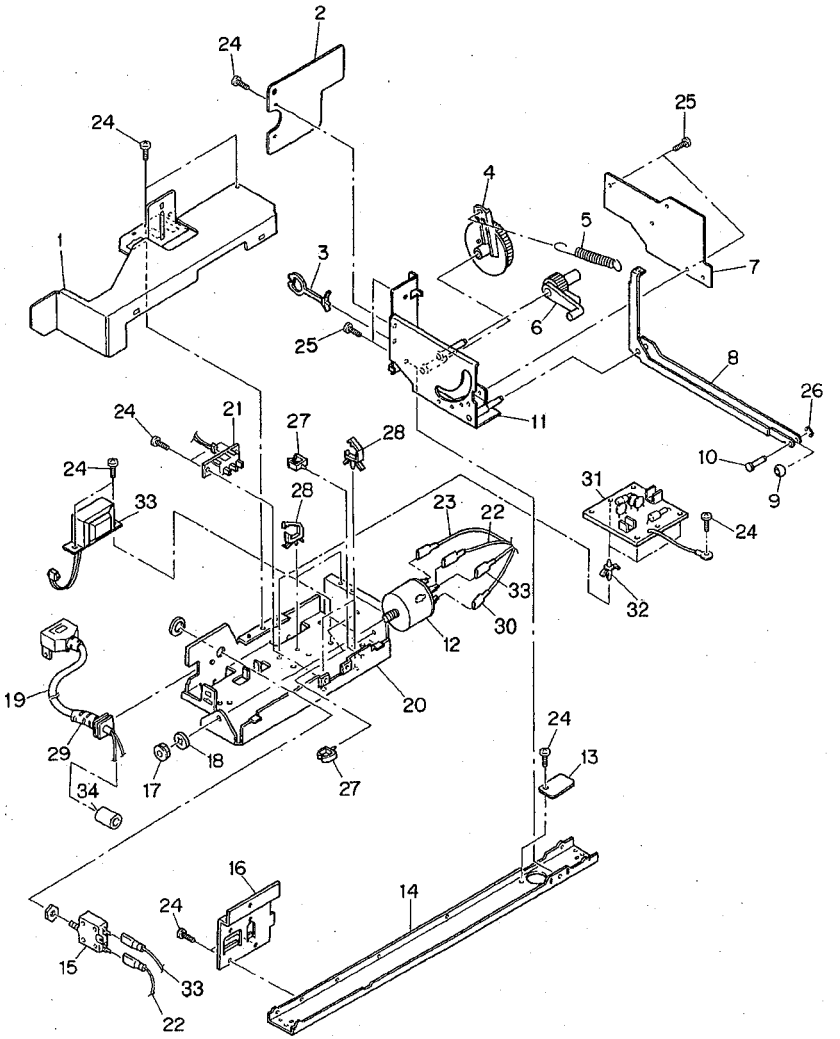
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPXQ45B43	Magnet Clutch	1	C	A
2	FFPKF11221	Clutch Support	1	C	D
3	FFPMF0796	Idle Gear	1	C	C
4	FFPMF0898	DFP Gear (7121/32/33)	1	C	C
4	FFPMF0791	DFP Gear (7117)	1	C	C
5	FFPXQ72C40	Rear Frame, Paper Feed (7121/27/32/33)	1	C	D
5	FFPXQ72B501	Rear Frame, Paper Feed (7117)	1	C	D
5	FFPXQ72B40	Rear Frame, Paper Feed (7140)	1	C	D
6	FFPMQ0451	Bushing	3	C	B
7	FFPMA04453	Middle Roller	1	C	B
8	FFPKB0805	Front Frame	1	C	D
9	FFPLG1314	Roller Shaft (7121/27/32/33/40)	1	C	D
9	FFPLG1249	Roller Shaft (7117)	1	C	D
10	FFPKD1166	Stay, Reinforcement	1	C	D
11	FFPKF11191	Paper Guide	1	C	D
12	FFPKD11193	Roller Stay	1	C	D
13	FFPMA04791	Roller, Paper Feed (w/No. 37) (7121/27/32/33/40)	1	C	B
13	FFPMA03952	Roller, Paper Feed (7117)	1	C	B
14	FFPLL0495	Sensor Lever	1	C	D
15	FFPKE08781	Roller Holder	1	C	D
16	FFPKD11201	Slider	1	C	D
17	FFPLP08171	Release Spring	1	C	B
18	GP1A71A1	Sensor	2	C	B
19	FFPXQ81B50	Support Stay	1	C	D
20	FFPMQ0005	Bushing	1	C	B
21	FFPKR1570	Roller Support	1	C	D
22	FFPLR0243	Spring	1	C	B
23	FFPLL05031	Sensor Lever	1	C	D
24	FFPLG1237	Sensor Shaft	1	C	D
25	FFPMF0797	DFP Gear	1	C	C
26	FFPXQ46B43	Magnet Clutch	1	C	A
27	FFPFJ0039	Snap Ring	1	C	D
28	FFPFA0020	Shoulder Screw	2	C	D
29	XUC7VM	E Ring	5	C	D
30	XUC5VM	E Ring	3	C	D
31	UAMS05S2	Clamp	22	C	D
32	XTB4+8F	Screw	9	C	D
33	XTB3+8F	Screw	1	C	D
34	XTB3+8G	Screw	1	C	D
35	XUC3VM	E Ring	1	C	D
36	XPJ2D10WV	Pin	1	C	D
37	FFPMA05031	Roller, Paper Feed (Ruber only)	1	C	B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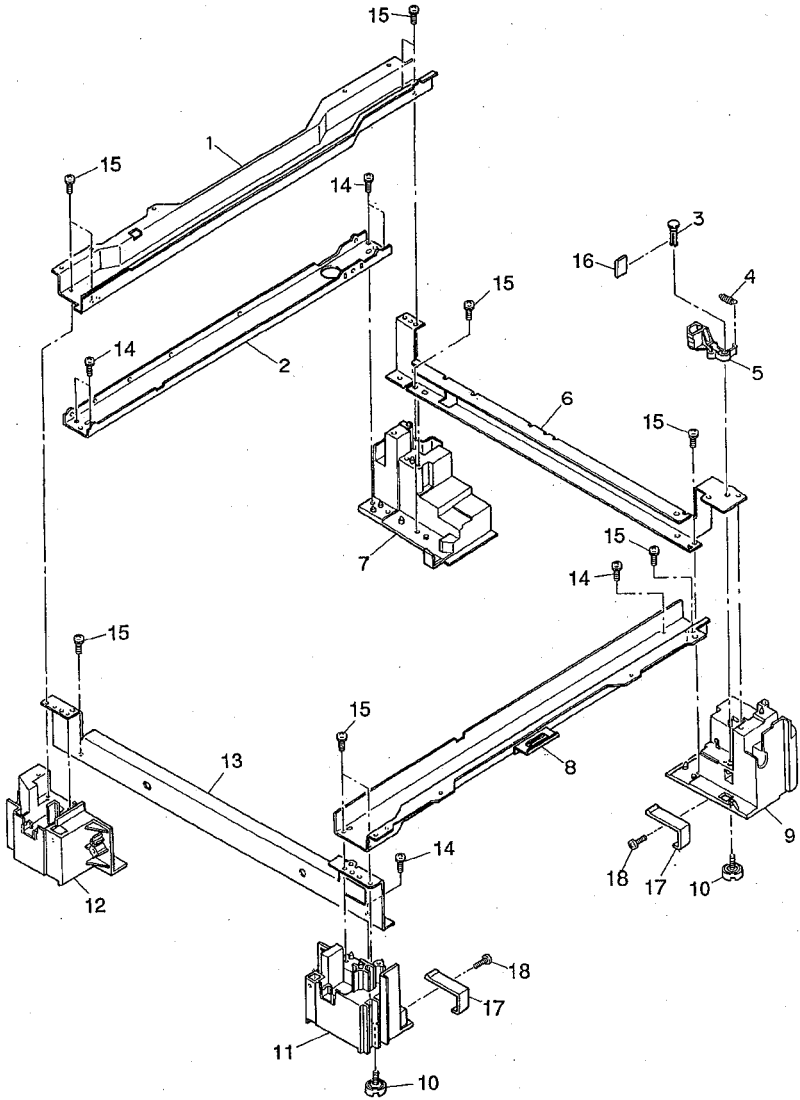
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPKE0885	AC Block Cover	1	C	D
2	FFPKS0904	Harness Cover	1	C	D
3	HL18-0	Harness Lifter	1	C	D
4	FFPMF0827	Lift Gear	1	C	C
5	FFPLP0935	Lift Spring	1	C	B
6	FFPMF08261	Cam/Gear	1	C	C
7	FFPKS0894	Bracket, Rear	1	C	D
8	FFPLL0497	Lift Lever	1	C	D
9	FFPMA0374	Lift Roller	1	C	B
10	FFPLG1007	Shaft, Lift Roller	1	C	D
11	FFPXQ70B50	Bracket, Front	1	C	D
12	VU215F3	Noise Filter (for North America)	1	C	D
12	VC210FA	Noise Filter (except North America)	1	C	D
13	FFPKE0798	Cover	1	C	D
14	FFPKD11241	Rear Frame	1	C	D
15	FFPEM0002	Breaker (for North America/Taiwan)	1	C	D
15	FFPEM0004	Breaker (except North America/Taiwan)	1	C	D
16	FFPKS0838	Option Out-let (for North America/Taiwan)	1	C	D
16	FFPKS08381	Option Out-let (except North America/Taiwan)	1	C	D
17	XNG8C	Nut	1	C	D
18	XWC8A	Washer	1	C	D
19	FFPEV0113	Power Cord (for Taiwan)	1	C	D
19	FFPEV0114	Power Cord (for North America)	1	C	D
19	FFPEV0104	Power Cord (for U.K.)	1	C	D
19	FFPEV0121	Power Cord (for Australia)	1	C	D
19	FFPEV0120	Power Cord (Others)	1	C	D
20	FFPKD1115	Rear Frame, Lower (for North America/Taiwan)	1	C	D
20	FFPKD11151	Rear Frame, Lower (except North America/Taiwan)	1	C	D
21	ESE15403	Sensor	1	C	D
22	FFPWC1445	AB Harness 3	1	C	D
23	FFPWC1446	AB Harness 4	1	C	D
24	XTB3+6F	Screw	8	C	D
25	XTB4+8F	Screw	4	C	D
26	XUC2VM	E Ring	1	C	D
27	UAMS05S2	Clamp	3	C	D
28	LWS1S	Locking Wire Saddle	4	C	D
29	SR6N4	Cord Bushing (for Europe)	1	C	D
30	FFPWC1230	AB Harness 1	1	C	D
31	FFPWB0552	PCB Surge Absorber (for North America/Taiwan)	1	C	D
31	FFPWB05521	PCB Surge Absorber (except North America/Taiwan)	1	C	D
32	KGLS6S	Locking Spacer	3	C	D
33	SH48I40	Choke Coil (for Europe)	1	C	D
34	ESD-R16C	Ferrite Core (for Europe)	1	C	D
35	FFPWC1231	AB Harness 2	1	C	D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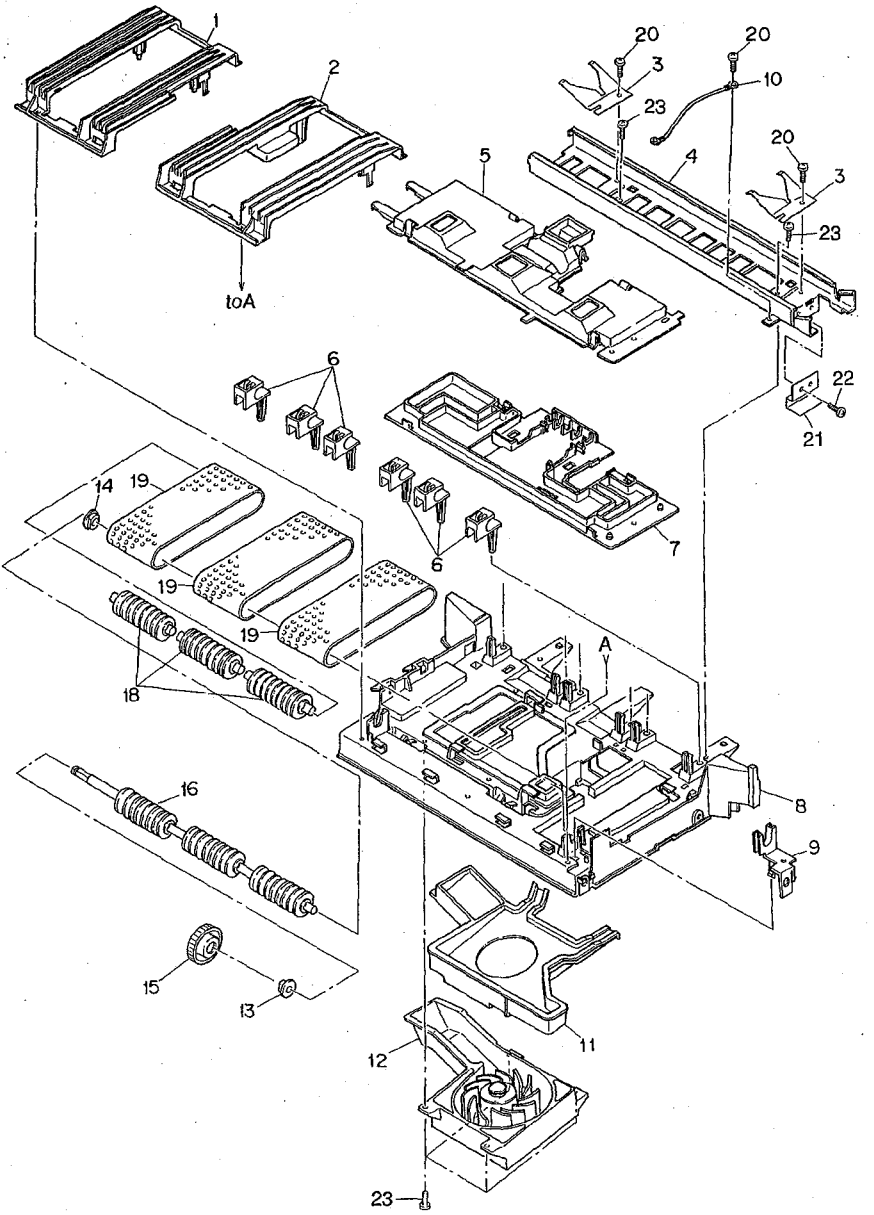
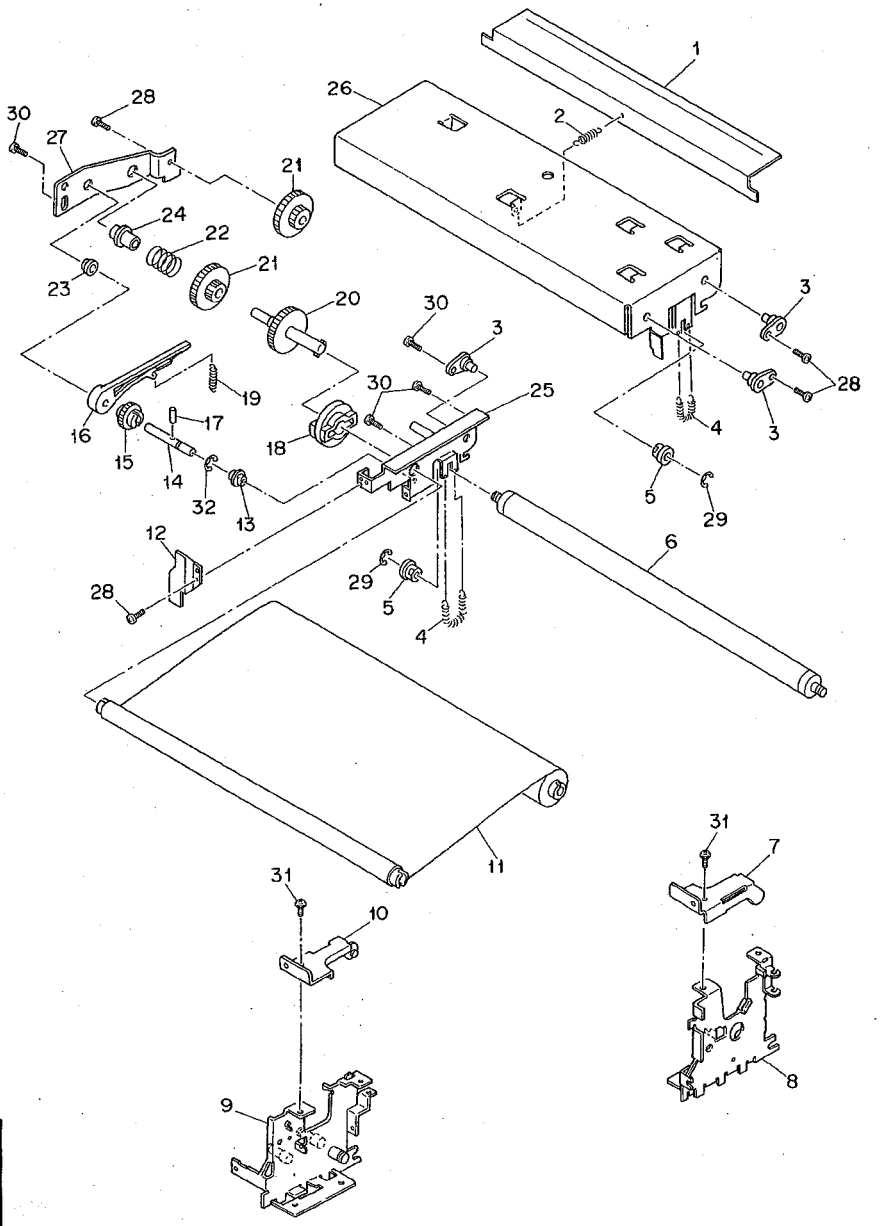
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPKF1125	Rear Support, Upper	1	C	D
2	FFPKD11241	Rear Frame, Lower	1	C	D
3	FFPKF1123	Pin	1	C	D
4	FFPLP0849	Spring	1	C	B
5	FFPLL0521	Lever	1	C	D
6	FFPXQ69B50	Right Stay	1	C	D
7	FFPKB08084	Right Frame, Rear	1	C	D
8	FFPKF1124	Front Stay	1	C	D
9	FFPKB08076	Right Frame, Front	1	C	D
10	FFPNM0027	Foot	2	C	D
11	FFPKB08096	Left Frame, Front	1	C	D
12	FFPKB08103	Left Frame, Rear	1	C	D
13	FFPKD1123	Left Stay	1	C	D
14	XTB4+8F	Screw	6	C	D
15	XYN4+C8	Screw	10	C	D
16	FFPKH0276	Spacer	1	C	D
17	FFPKM0283	Slider Material	2	N	D
18	XTB3+16G	Screw	2	C	D



Paper Transport Unit

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPKD1059	Transport Guide B	1	C	D
2	FFPKD1058	Transport Guide F	1	C	D
3	FFPLQ0270	Spring, Corona	2	C	B
4	FFPKF09471	Corona Rail	1	C	D
5	FFPHA00452	Duct 3	1	C	D
6	FFPMQ0497	Roller Bushing	6	C	D
7	FFPHA00462	Duct 4	1	C	D
8	FFPKB07691	Frame, Paper Transport	1	C	D
9	FFPDF0242	Ground Plate	1	C	D
10	FFPWC1326	HE Harness	1	C	D
11	FFPHA0044	Duct 2	1	C	D
12	CBDM24A4-901	Fan Motor	1	C	C
13	FFPMQ0383	Bushing	1	C	C
14	FFPMQ0005	Bushing	1	C	C
15	FFPMF07991	Gear 1	1	C	C
16	FFPMA03543	Drive Roller	1	C	C
17		==Not used==			
18	FFPMA04261	Transfer Roller	3	C	C
19	FFPML0019	Belt, Paper Transport	3	C	C
20	XTB4+8F	Screw	3	C	D
21	FFPKF1214	Stopper, No. 2 Corona	1	C	D
22	XYN4+F8	Screw	1	C	D
23	XTB4+10G	Screw	6	C	D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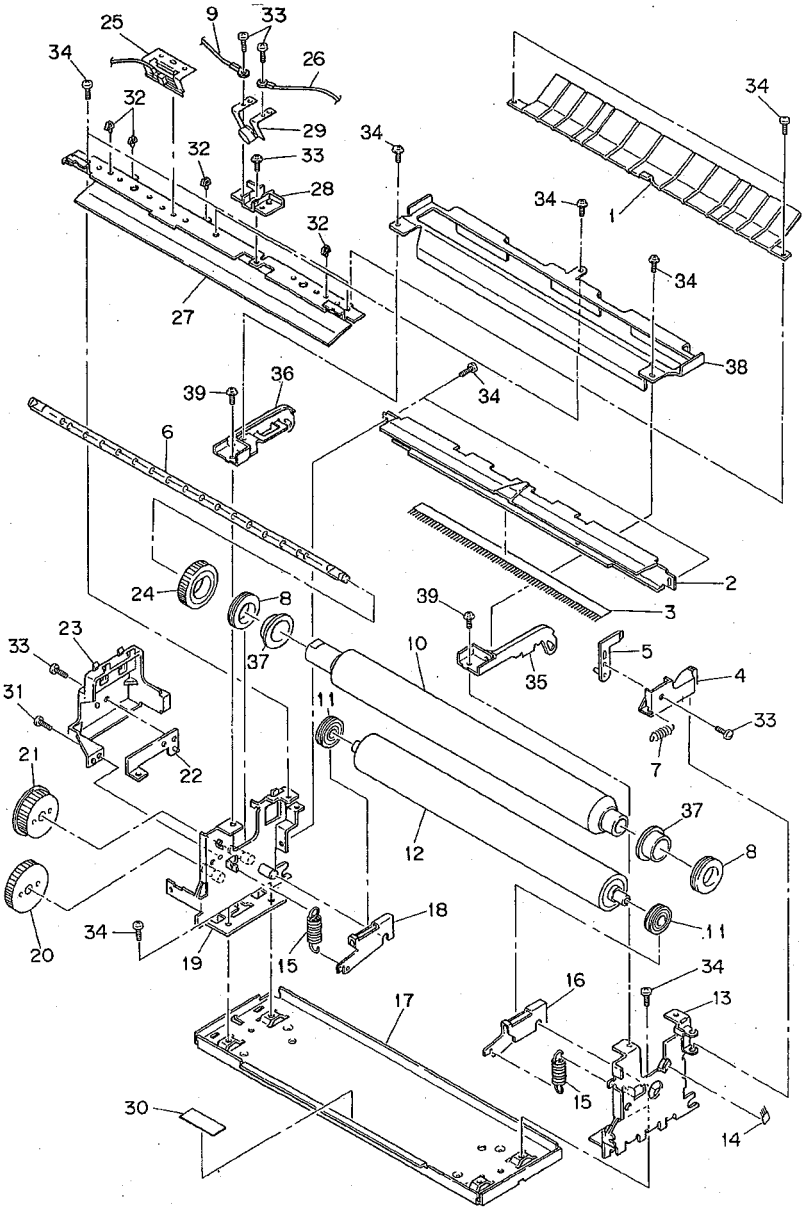
Fuser Unit

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
0	FFPUT01C21	Fuser Unit Ass'y (7117/21 for North America/Taiwan)	1	C	D
0	FFPUT01C231	Fuser Unit Ass'y (7117/21 except North America/Taiwan)	1	C	D
0	FFPUT01C41	Fuser Unit Ass'y (7127/32/33 for North America/Taiwan)	1	C	D
0	FFPUT01C431	Fuser Unit Ass'y (7127/33 except North America/Taiwan)	1	C	D
0	FFPUT01B412	Fuser Unit Ass'y (7140 for North America/Taiwan)	1	C	D
0	FFPUT01B432	Fuser Unit Ass'y (7140 except North America/Taiwan)	1	C	D
1	FFPKD1231	Pressure Plate	1	C	D
2	FFPLP0928	Pressure Spring	1	C	B
3	FFPMQ0498	Bushing, Web Roller	3	C	D
4	FFPLP0929	Pressure Spring	2	C	B
5	FFPMQ0499	Bushing, Pressure Roller	2	C	D
6	FFPMA0470	Pressure Roller	1	C	D
7	FFPKD10301	Pressure Plate, Front	1	C	D
8	FFPXT019081	Front Frame (7117/21)	1	C	D
8	FFPXT019503	Front Frame (7127/32/33/40)	1	C	D
9	FFPXT149082	Rear Frame (7117/21)	1	C	D
9	FFPXT149504	Rear Frame (7127/32/33/40)	1	C	D
10	FFPKD10291	Pressure Plate, Rear	1	C	D
11	FFPKM0266	Cleaning Web Roller (7117/21)	1	C	A
11	FFPKM01343	Cleaning Web Roller (7127/32/33/40)	1	C	A
12	FFPKE0831	Harness Cover (7117/21)	1	C	D
12	FFPKE0959	Harness Cover (7127/32/33/40)	1	C	D
13	FFPMQ05011	One Way Bushing	1	C	D
14	FFPLG1369	Gear Shaft 2	1	C	D
15	FFPMF07131	Gear 1	1	C	C
16	FFPLL0409	Lever	1	C	D
17	XPJ2D12WV	Pin	1	C	D
18	FFPMQ0503	Gear Bushing 2	1	C	D
19	FFPLP0749	Lift Spring, Lever	1	C	D
20	FFPMF0800	Gear 3	1	C	C
21	FFPMF0716	Gear 4	2	C	C
22	FFPLP0792	Tension Spring	1	C	B
23	FFPMQ0401	Bushing, Lever	1	C	D
24	FFPMQ0502	Gear Bushing 1	1	C	D
25	FFPKQ00831	Gear Frame	1	C	D
26	FFPKD12321	Upper Frame	1	C	D
27	FFPKD12331	Rear Frame	1	C	D
28	XYN4+F8	Screw	4	C	D
29	XUC4VM	E Ring	2	C	D
30	XTB4+8H	Screw	4	C	D
31	XYN5+F8	Screw	2	C	D
32	XUC5VM	E Ring	1	C	D



Fuser Unit

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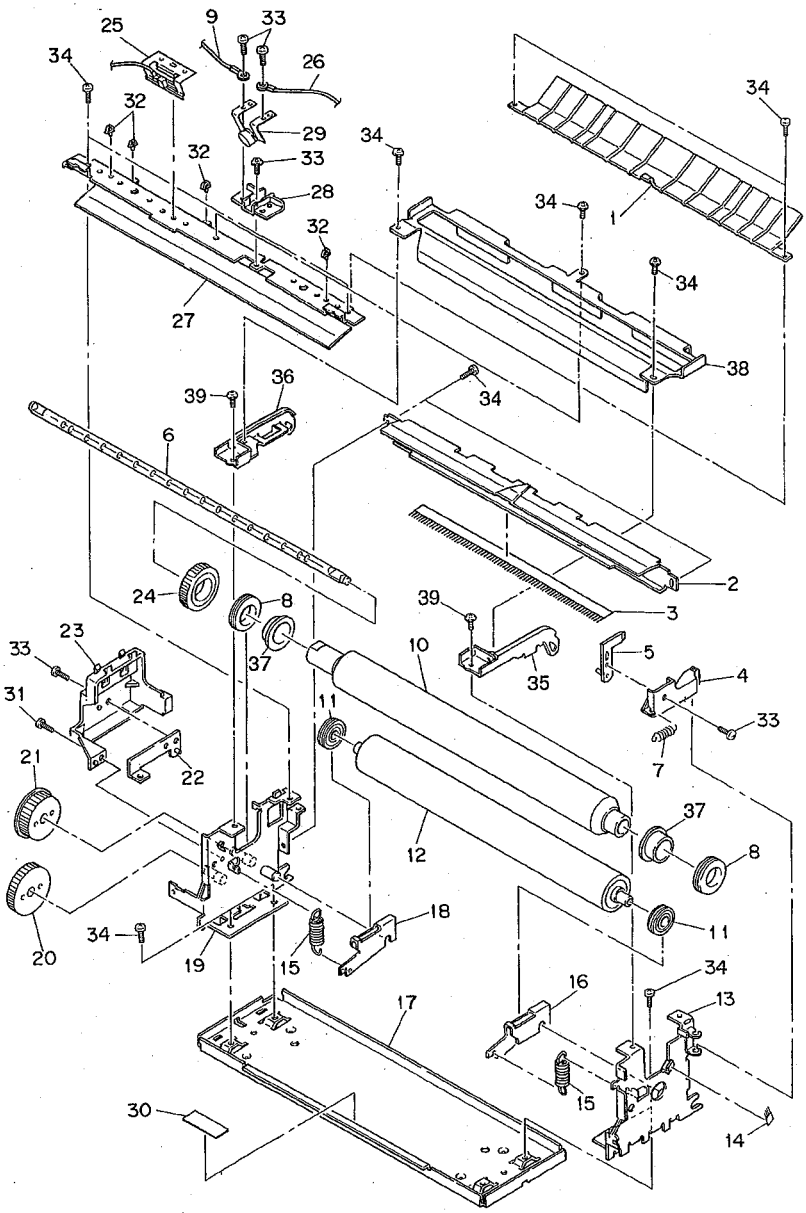
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPKF09501	Paper Guide, Front Upper	1	C	D
2	FFPKF09492	Paper Guide, Front Lower (7117/21)	1	C	D
2	FFPKF10421	Paper Guide, Front Lower (7127/32/33/40)	1	C	D
3	FFPDU0025	Discharge Brush (7117/21)	1	C	C
3	FFPDU0046	Discharge Brush (7127/32/33/40)	1	C	C
4	FFPKQ0104	Front Base, Lamp Lead	1	C	C
5	FFPXT02900	Lamp Lead, Front	1	C	C
6	H12V085WN2A or	Fuser Lamp (for North America/Taiwan)	1	C	A
6	IK12V085W67	Fuser Lamp (for North America/Taiwan)	1	C	A
6	H24V085WN2A or	Fuser Lamp (except North America/Taiwan)	1	C	A
6	IK24V085W67	Fuser Lamp (except North America/Taiwan)	1	C	A
7	FFPLP0741	Lamp Spring	1	C	B
8	FFPMQ0385	Bushing (7117/21)	2	C	C
8	FFPMQ0427	Bushing (7127/32/33/40)	2	C	C
9	FFPWC1225	FU Harness 2	1	C	D
10	FFPMA0359	Heat Roller (7117/21)	1	C	A
10	FFPMA0419	Heat Roller (7127/32/33)	1	C	A
10	FFPMA0480	Heat Roller (7140)	1	C	A
11	FFPMQ0043	Bearing	2	C	C
12	FFPMA03582	Pressure Roller (7117/21)	1	C	A
12	FFPMA04181	Pressure Roller (7127/32/33/40)	1	C	A
13	FFPXT019081	Front Frame (7117/21)	1	C	D
13	FFPXT019502	Front Frame (7127/32/33/40)	1	C	D
14	FFPDU0047	Discharge Brush	1	C	C
15	FFPLP07402	Tension Spring (7117/21)	2	C	B
15	FFPLP0901	Tension Spring (7127/32/33)	2	C	B
15	FFPLP0924	Tension Spring (7140)	2	C	B
16	FFPKD1026	Pressure Plate, Front (7117/21)	1	C	D
16	FFPKD1187	Pressure Plate, Front (7127/32/33/40)	1	C	D
17	FFPKB07442	Bottom Plate	1	C	D
18	FFPKD1027	Pressure Plate, Rear (7117/21)	1	C	D
18	FFPKD1188	Pressure Plate, Rear (7127/32/33/40)	1	C	D
19	FFPXT149082	Rear Frame (7117/21)	1	C	C
19	FFPXT149504	Rear Frame (7127/32/33/40)	1	C	C
20	FFPMF0706	Idle Gear 1	1	C	C
21	FFPMF0707	Idle Gear 2	1	C	C
22	FFPXT05950	Lamp Lead, Rear (7117/21)	1	C	C
22	FFPXT17950	Lamp Lead, Rear (7127/32/33/40)	1	C	C
23	FFPKQ0103	Rear Base	1	C	D
24	FFPMF0888	Gear, Heat Roller (7117/21)	1	C	C
24	FFPMF07851	Gear, Heat Roller (7127/32/33/40)	1	C	C
25	FFPXT09950	Thermistor	1	C	C
26	FFPWC1224	FU Harness 1 (for North Ameria/Taiwan)	1	C	D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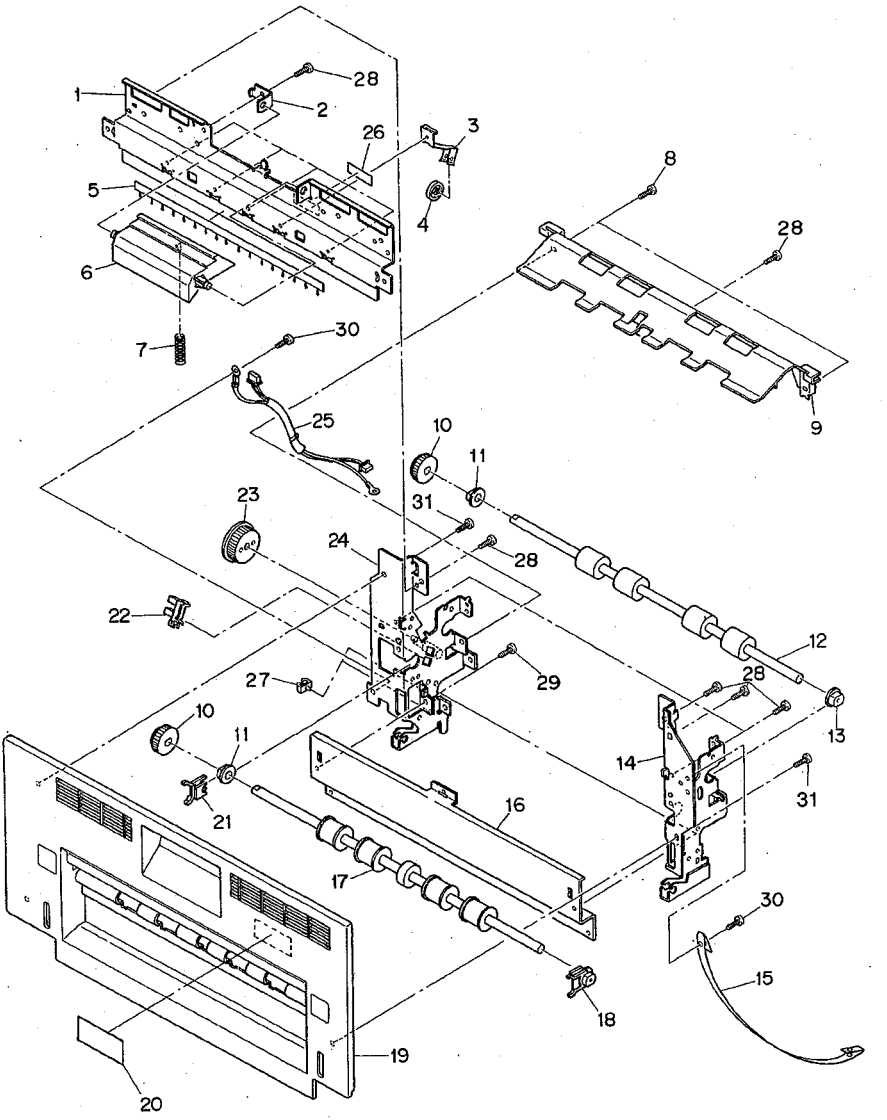
Fuser Unit

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
26	FFPWC1285	FU Harness 1 (except North America/Taiwan)	1	C	D
27	FFPKD08062	Harness Support (7117/21)	1	C	D
27	FFPKD1028	Harness Support (7127/32/33/40)	1	C	D
28	FFPKQ0082	Holder	1	C	D
29	FFPXT15900	Thermostat	1	C	C
30	FFPTE16151	Caution Label, High Temperature	1	C	D
31	XTB4+6F	Screw	1	C	D
32	UAMS05S2	Clamp	4	C	D
33	XYN4+F8	Screw	5	C	D
34	XTB4+8F	Screw	11	C	D
35	FFPKD10301	Pressure Plate, Front (7117/21)	1	C	D
35	FFPKD10251	Pressure Plate, Front (7127/32/33/40)	1	C	D
36	FFPKD10291	Pressure Plate, Rear (7117/21)	1	C	D
36	FFPKD10241	Pressure Plate, Rear (7127/32/33/40)	1	C	D
37	FFPMQ0428	Bushing (7127/32/33/40)	2	C	C
38	FFPKE0942	Bracket, Heat Insulation (7140)	1	C	D
39	XYN5+F8	Screw	2	C	D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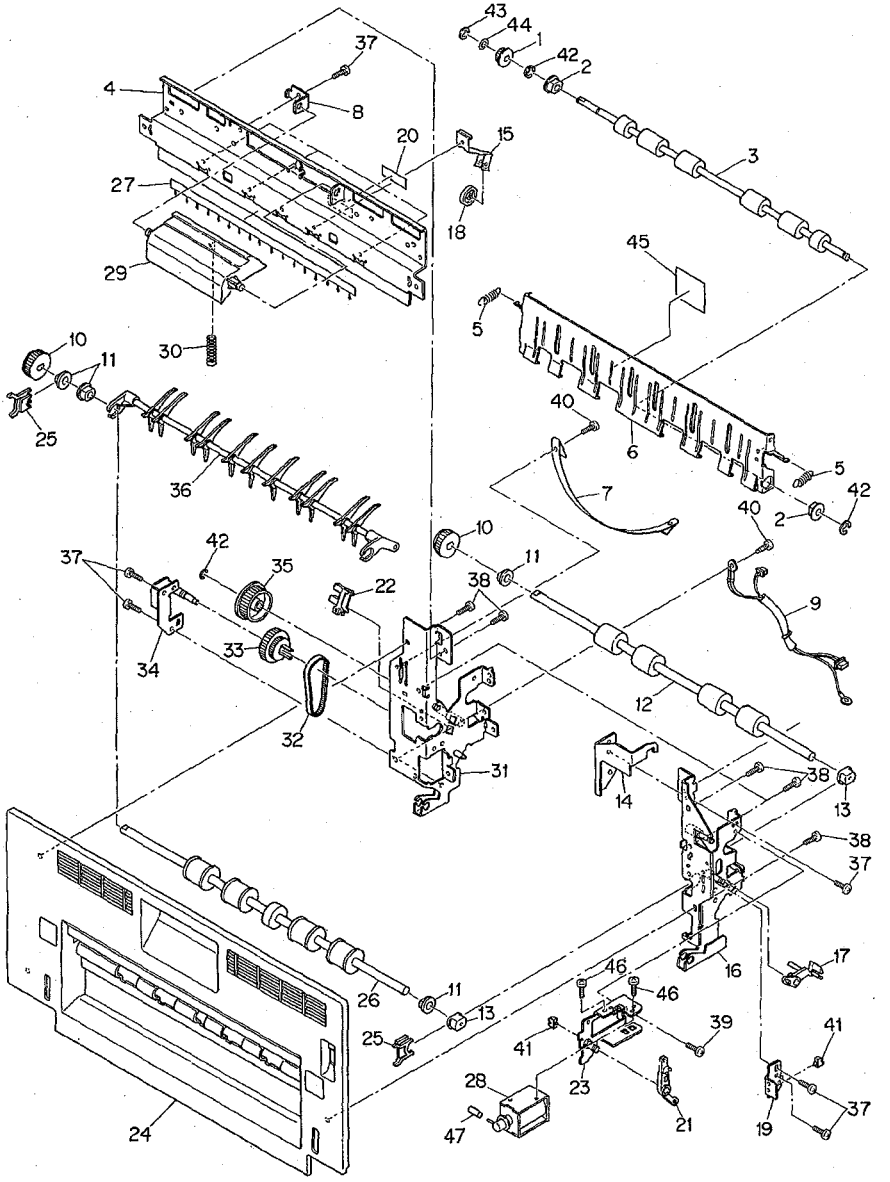
Paper Exit Unit (7117/21/27)

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPKD08075	Bracket	1	C	D
2	FFPKD08121	Knob Support	1	C	D
3	FFPKD08113	Roller Support	5	C	D
4	FFPMA03651	Guide Roller	5	C	A
5	FFPDU0062	Discharge Brush	1	C	B
6	FFPLA00801	Knob	1	C	C
7	FFPLP0744	Knob Spring	1	C	B
8	FFPFA0021	Shoulder Screw	2	C	D
9	FFPKF0961	Front Guide, Paper Exit	1	C	D
10	FFPMF0711	Gear A	2	C	C
11	FFPMQ0005	Bushing	2	C	B
12	FFPMA03601	Roller, Paper Exit	1	C	A
13	FFPMQ0386	Bushing	1	C	B
14	FFPKB07063	Front Frame	1	C	D
15	FFPKM0223	Belt	1	C	D
16	FFPKD08082	Lower Support 1	1	C	D
17	FFPMA03622	Roller, Paper Exit	1	C	A
18	FFPMQ0434	Bushing	1	C	B
19	FFPNA047011	Paper Exit Cover	1	C	D
20	FFPTE15943	Label, Open/Close	1	C	D
21	FFPKD08691	Bushing Support	1	C	B
22	GP1A71A1	Sensor, Paper Exit	1	C	B
23	FFPMF0712	Gear B	1	C	C
24	FFPXF019001	Rear Frame	1	C	D
25	FFPWC1226	U Harness Paper Exit	1	C	D
26	FFPTE1667	Caution Label, High Temperature	1	C	D
27	UAMS05S2	Clamp	1	C	D
28	XTB4+8F	Screw	6	C	D
29	XYN4+F8	Screw	2	C	D
30	XTB4+10G	Screw	2	C	D
31	XTN4+F8	Screw	2	C	D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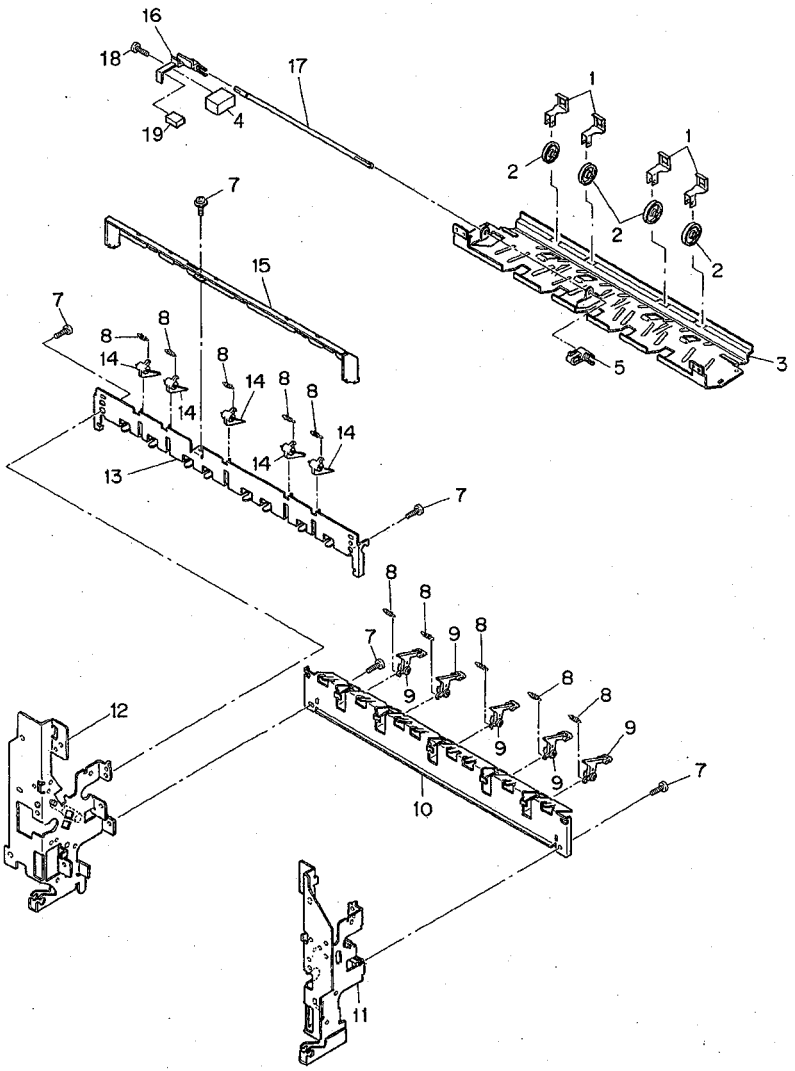
Paper Exit Unit (7132/33/40)

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPMB01641	Timing Pulley	1	C	D
2	FFPMQ0094	Bushing	2	C	C
3	FFPMA03981	Exit Roller	1	C	C
4	FFPKD08075	Bracket, Roller Mounting	1	N	D
5	FFPLP07941	Spring, Open/Close	2	C	B
6	FFPKF10101	Exit Guide	1	C	D
7	FFPKM0223	Belt	1	C	C
8	FFPKD08121	Knob Support	1	C	D
9	FFPWC1311	E Harness	1	C	D
10	FFPMF0711	Gear A	2	C	C
11	FFPMQ0005	Bushing	4	C	C
12	FFPMA03601	Roller, Paper Exit	1	C	C
13	FFPMQ0386	Bushing	2	C	C
14	FFPLK02371	Latch Bracket	1	C	D
15	FFPKD08113	Roller Support	4	C	D
16	FFPKB07202	Front Bracket	1	C	D
17	FFPLK02471	Lever	1	C	D
18	FFPMA03651	Guide Roller	4	C	C
19	FFPKS0754	Fulcrum Plate	1	C	D
20	FFPTE1667	Caution Label, High Temperature	1	C	D
21	FFPLL0447	Arm Lever	1	C	D
22	GP1A71A1	Sensor, Paper Exit	1	C	C
23	FFPKR14571	Bracket, Solenoid Mounting	1	C	D
24	FFPNA047011	Paper Exit Cover	1	C	D
25	FFPKD1002	Bushing Support	2	C	D
26	FFPMA03622	Exit Roller	1	C	C
27	FFPDU0062	Discharge Brush	1	C	C
28	FFPEQ0064	Solenoid	1	C	D
29	FFPLA00801	Knob	1	C	D
30	FFPLP0744	Knob Spring	1	C	B
31	FFPKB07221	Rear Bracket	1	C	D
32	FFPMN0077	Timing Belt	1	C	C
33	FFPMB01571	Timing Pulley	1	C	D
34	FFPKS0755	Fulcrum Bracket	1	C	D
35	FFPMF0773	Gear B	1	C	C
36	FFPLL04441	Paper Guid Ass'y	1	C	D
37	XTB4+8F	Screw	6	C	D
38	XTB4+10G	Screw	6	C	D
39	XTB3+6F	Screw	1	C	D
40	XYN4+F8	Screw	2	C	D
41	UAMS05S2	Clamp	2	C	D
42	XUC5VM	E Ring	3	C	D
43	XUC4VM	E Ring	1	C	D
44	FFPMV0030	Polyslider	1	C	D
45	FFPTE1673	Label, Exit Guide	1	C	D
46	XYN3+F6	Screw	2	C	D
47	XPL3A16W	Pin	1	C	D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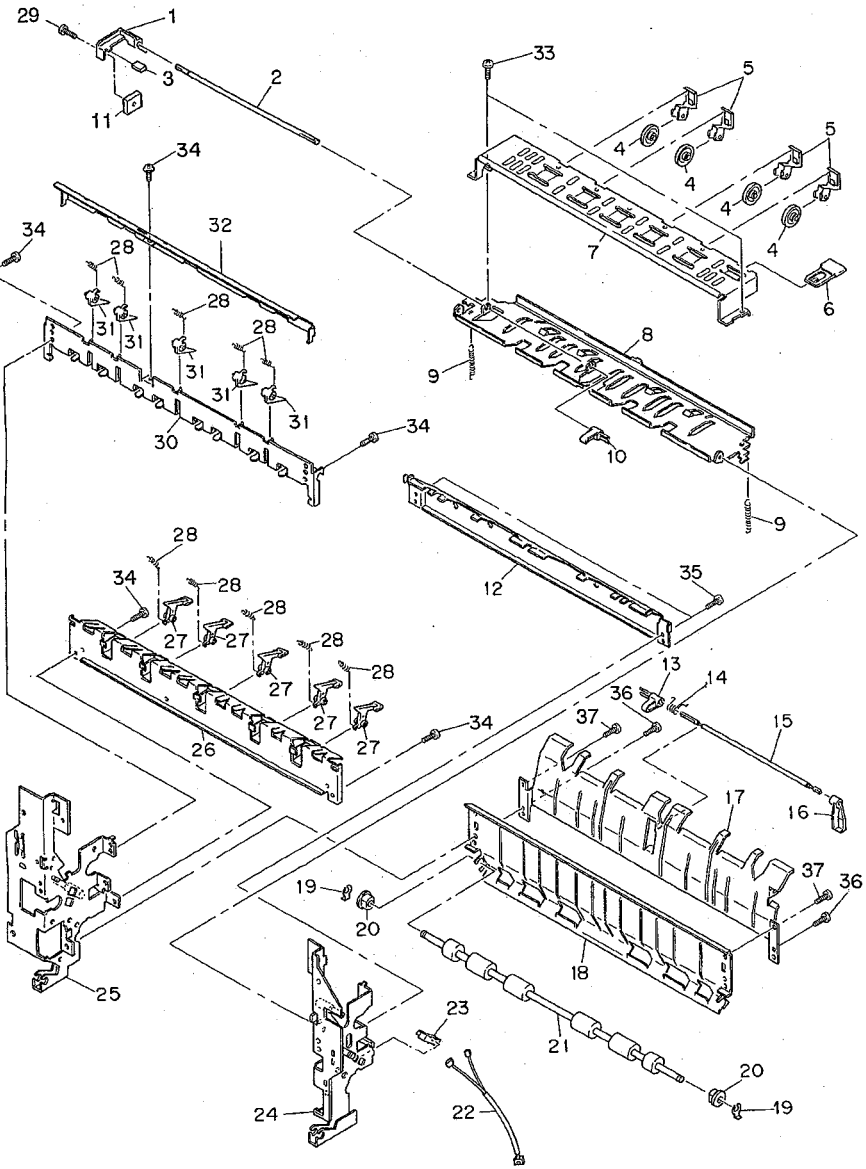
Paper Exit Unit (7117/21/27)

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
1	FFPKD08101	Roller Support	4	C	D
2	FFPMA03651	Guide Roller	4	C	D
3	FFPKF1055	Upper Guide	1	C	D
4	FFPKG0018	Lever Weight	1	C	D
5	FFPLL0407	Sensor Lever, Front	1	C	D
6		==Not used==			
7	XYN4+F8	Screw	5	C	D
8	FFPLP0743	Spring, Separation Finger	10	C	B
9	FFPLK0231	Separation Finger, Lower	5	C	A
10	FFPKF09542	Paper Guide, Rear Lower	1	C	D
11	FFPKB07063	Front Frame	1	C	D
12	FFPXF019001	Rear Frame	1	C	D
13	FFPKF09585	Paper Guide, Rear Upper	1	C	D
14	FFPLK0230	Separation Finger Upper	5	C	A
15	FFPKE07782	Upper Guide Cover, Fuser	1	C	D
16	FFPLL04083	Sensor Lever, Rear	1	C	D
17	FFPLG09862	Sensor Shaft	1	C	D
18	XSB3+F6	Screw	1	C	D
19	FFPKN0326	Cushion (except North America)	1	C	D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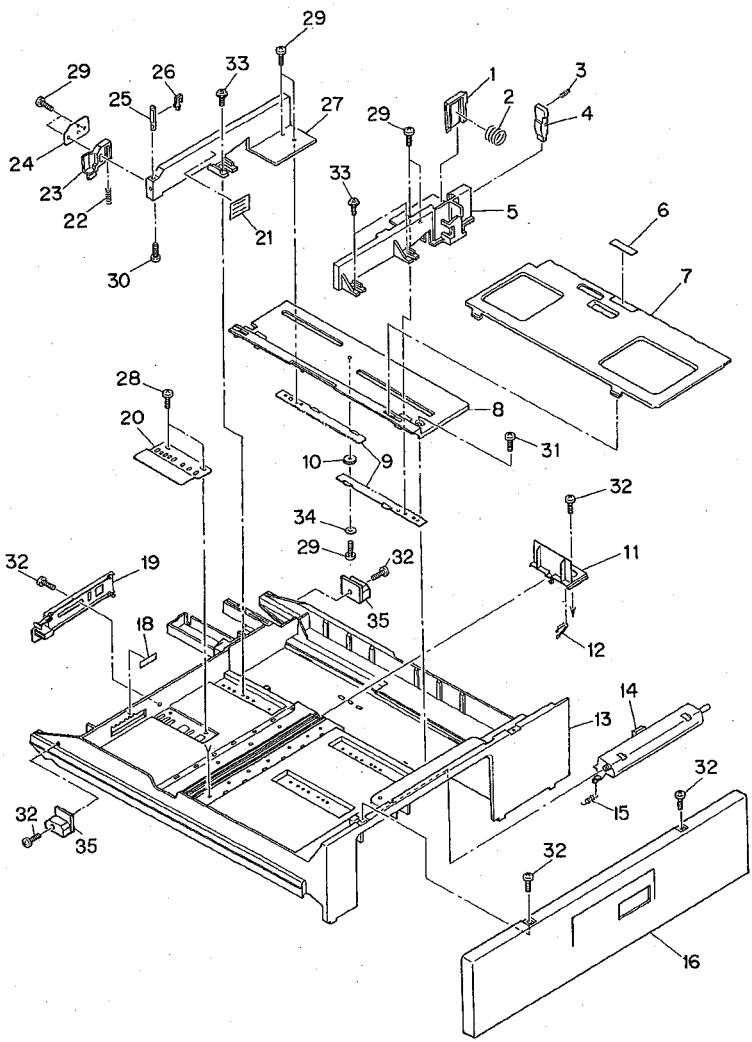
Paper Exit Unit (7132/33/40)

Ref. No.	Part No.	Description	Q'ty Per Unit	Common	Rank
1	FFPLL04083	Sensor Lever	1	C	D
2	FFPLG09862	Sensor Shaft	1	C	D
3	FFPKN0326	Cushion (except North America)	1	C	D
4	FFPMA03651	Guide Roller	4	C	C
5	FFPKD08101	Roller Support	4	C	D
6	FFPLA0082	Knob	1	C	D
7	FFPKE0780	Guide Plate, Upper	1	C	D
8	FFPKF1006	Guide Plate, Lower	1	C	D
9	FFPLP0801	Spring	2	C	B
10	FFPLL04611	Sensor Lever	1	C	D
11	FFPKG0018	Lever Weight	1	C	D
12	FFPKF1007	Exit Guide, Lower	1	C	D
13	FFPLL0407	Sensor Lever	1	C	D
14	FFPLR0215	Spring	1	C	B
15	FFPLG10791	Sensor Shaft	1	C	D
16	FFPLL0446	Sensor Lever	1	C	D
17	FFPKF1009	Exit Guide 2	1	C	D
18	FFPKF10082	Exit Guide 1	1	C	D
19	FFPFJ0033	Snap Ring	2	C	D
20	FFPMQ0094	Bushing	2	C	C
21	FFPMA03991	Exit Roller 6	1	C	C
22	FFPWC1353	DX Harness	1	C	D
23	GP1A71A1	Sensor	1	C	C
24	FFPKB07202	Front Bracket	1	C	D
25	FFPKB07221	Rear Bracket	1	C	D
26	FFPKF09542	Fuser Guide	1	C	D
27	FFPLK0231	Separation Finger	5	C	A
28	FFPLP0743	Spring, Separation Finger	10	C	B
29	XSB3+F6	Screw	1	C	D
30	FFPKF09585	Fuser Guide, RU	1	C	D
31	FFPLK0230	Separation Finger, Upper	5	C	A
32	FFPKE07782	Cover, Fuser Guide	1	C	D
33	XTB3+6F	Screw	2	C	D
34	XYN4+F8	Screw	6	C	D
35	XYN3+F6	Screw	2	C	D
36	XTB4+8F	Screw	2	C	D
37	XTB4+8H	Screw	2	C	D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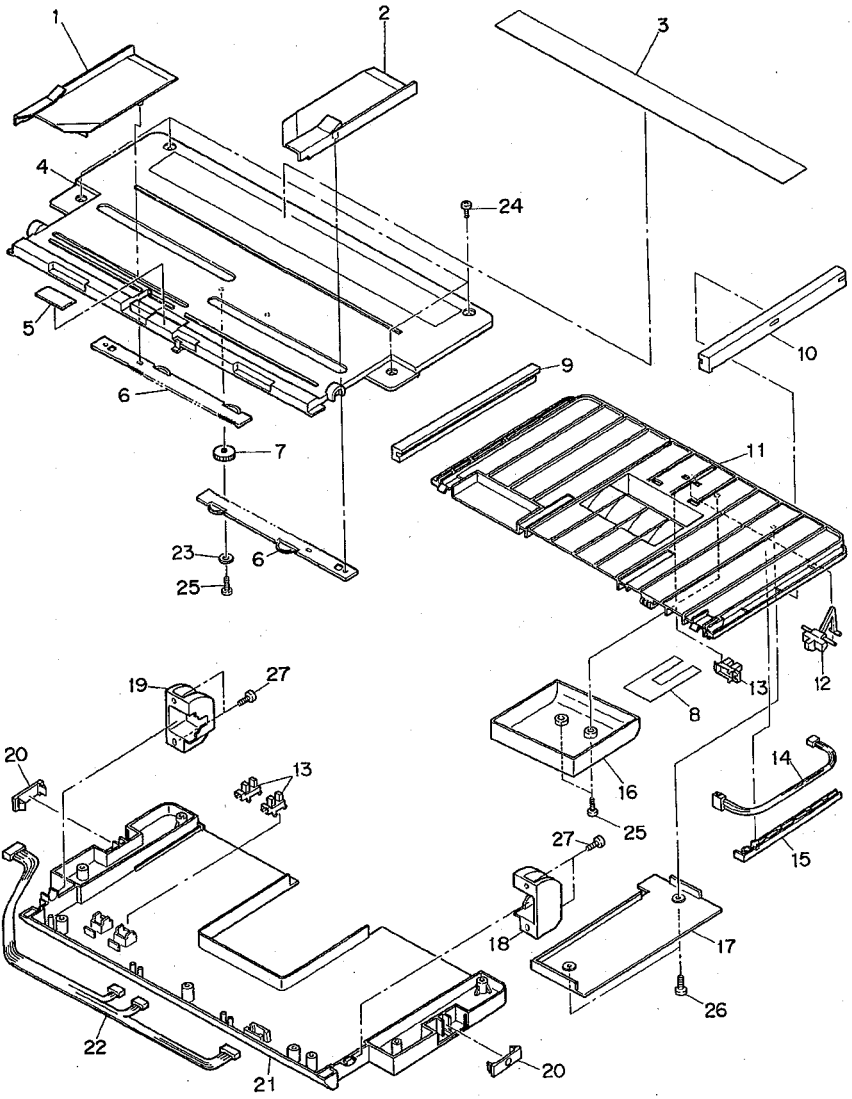
Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
0	FFPVC01E31	Paper Drawer Ass'y (for North America)	1	C	D
0	FFPVC01E33	Paper Drawer Ass'y (except North America)	1	C	D
1	FFPQG0052	Paper Guide	1	C	D
2	FFPLP0848	Spring	1	C	B
3	FFPLP0763	Spring	1	C	B
4	FFPLL0427	Release Lever	1	C	D
5	FFPQG00642	Paper Guide A, Front	1	C	D
6	FFPKM0167	Pad	1	C	A
7	FFPXC04B50	Bottom Plate, w/Pad	1	C	D
8	FFPKS07061	Adjusting Plate	1	C	D
9	FFPMF0828	Rack	2	C	C
10	FFPMF0829	Pinion Gear	1	C	C
11	FFPQG00512	Paper Guide, Rear	1	C	D
12	FFPLQ0331	Spring	1	C	B
13	FFPQA00975	Main Frame	1	C	D
14	FFPLL04702	Tray lever	1	N	D
15	FFPLP0764	Spring	1	C	B
16	FFPXC03E31	Tray Cover, Front (for North America)	1	N	D
16	FFPXC03E33	Tray Cover, Front (except North America)	1	N	D
17		==Not used==			
18	FFPTE16012	Label, Paper Size (for North America)	1	C	D
18	FFPTE16021	Label, Paper Size (except North America)	1	C	D
19	FFPKS07053	Sensor Plate, Detection	1	C	D
20	FFPKS0953	Plate, Paper Size (for North America)	1	C	D
20	FFPKS09541	Plate, Paper Size (except North America)	1	C	D
21	FFPTE1599	Label, Paper Level	1	C	D
22	FFPLP0904	Spring	1	C	C
23	FFPKS0955	Block	1	C	D
24	FFPKS0956	Guide Plate	1	C	D
25	FFPLB0131	Push Button	1	C	C
26	FFPKF1031	Stopper	1	C	D
27	FFPQG00701	Paper Guide A, Rear	1	C	D
28	XYN3+F8	Screw	2	C	D
29	XTB3+8G	Screw	7	C	D
30	XTN3+6G	Screw	1	C	D
31	XYN4+F8	Screw	1	C	D
32	XTB4+10G	Screw	6	C	D
33	XTW4+14Q	Screw	3	C	D
34	XWG3	Washer	1	C	D
35	FFPKM0284	Slider Material	2	N	D

Tray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Sheet Bypass Tray

Ref. No.	Part No.	Description	Q'ty Per Unit	Com-mon	Rank
0	FFPUQ90B511	Sheet Bypass Tray Ass'y (for North America)	1	C	D
0	FFPUQ90B531	Sheet Bypass Tray Ass'y (except North America)	1	C	D
1	FFPQG0066	Paper Guide, Rear	1	C	D
2	FFPQG0067	Paper Guide, Front	1	C	D
3	FFPPA03541	Original Guide (for North America)	1	C	D
3	FFPPA03542	Original Guide (except North America)	1	C	D
4	FFPQA01084	Tray (1), Sheet Bypass	1	C	D
5	FFPKP0067	Pad	1	C	C
6	FFPMF0828	Rack	2	C	D
7	FFPMF0829	Pinion Gear	1	C	C
8	FFPHK0827	Guide Mylar	1	C	D
9	FFPLF01741	Guide Rail 1	1	C	D
10	FFPLF01751	Guide Rail 2	1	C	D
11	FFPQA01108	Tray, Sheet Bypass	1	C	D
12	FFPLL0498	Sensor Lever	1	C	D
13	GP1A71A1	Photo Sensor	3	C	C
14	FFPWC1219	T Harness 2	1	C	D
15	FFPLK0254	Harness Guide	1	C	D
16	FFPKE07846	Harness Cover	1	C	D
17	FFPKE08395	Tray Cover	1	C	D
18	FFPKE0786	Hinge Cover	1	C	D
19	FFPKE0787	Hinge Cover (2)	1	C	D
20	FFPKE0891	Stopper Cover	2	C	D
21	FFPQA01094	Tray (2), Sheet Bypass	1	C	D
22	FFPWC1218	T Harness	1	C	D
23	XWG3	Washer	1	C	D
24	XTB4+10GFN	Screw	4	C	D
25	XTB3+6G	Screw	3	C	D
26	XTB3+8G	Screw	2	C	D
27	XTT4+8FFN	Screw	4	C	D

PM Parts Kit

1. 60k PM Kit (Part No. FQSK06P4080S)

Contents

No.	Description	Part No.	Q'ty
1	DFP Roller	FFPMA03781	1
2	DFP Roller	FFPMA04201	1
3	Cleaning Blade	FFPHK06331	1
4	Dust Protection Filter	FFPXK27950	1
5	Cleaning kit	FQ-SJ72	1

2. 120k PM kit

Part No. FQSK12P1670S (7117/21/27/32/33)
FQSK12P4080S (7140)

Kit

Contents

No.	Description	Part No.	Q'ty
1	Transfer Roller (Bypass)	FFPMA03771	1
2	DFP Roller (Bypass)	FFPMA03781	1
3	Paper Feed Roller (Bypass)	FFPMA0159	1
4	Paper Feed Roller (Cassette)	FFPMA05031 (Robber only)	1
5	DFP Roller (Casset)	FFPMA04201	1
6	Side Seal (F)	FFPHP06382	1
7	Side Seal (R)	FFPHP06352	1
8	Spacer Ring	FFPHQ00311 (7127/32/33) FFPHQ0041 (7140) FFPHQ0042 (7117/21)	2
9	Cleaning Blade	FFPHK06331	1
10	Separation finger (U)	FFPLK0230	5
11	Separation Finger (L)	FFPLK0231	5
12	Cleaning Web	FFPKM0266 (7117/21) FFPKM01343 (7127/32/33/40)	1
13	Dust Protection filter	FFPGB00201	2
14	Dust Protection Filter	FFPXK27950	1
15	Corona Wire	FFPEY0051	1
16	Corona Wire	FFPEY0052	2
17	Cleaning Kit	FQ-SJ72	1

3. Individual PM+Parts

Following parts are individual PM parts in addition to the 60k or 120k PM kit used every PM cycle. Please order the necessary individual PM Parts according to the chart below.

Additional PM Parts

Description	Part No.	60k	120k	180k	240k	300k	360k
Heat roller	FFPMA0359 (7117/21) FFPMA0419 (7127/32/33) FFPMA0480 (7140)				1		
Heat roller bushing	FFPMQ0385 (7117/21) FFPMQ0427 (7127/32/33/40)				2		
Thermistor	FFPXT09950				1		
Pressure roller	FFPMA03582 (7117/21) FFPMA04181 (7127/32/33/40)						1
Ozone filter	FFPYHJ0032	1	1	1	1	1	1
Ozone filter	FFPHJ00332 (7117/21/27/32/33)	1	1	1	1	1	1
	FFPHJ00331 (7140)				1		
No. 1 corona Ass'y	FFPXG60B501						1
No. 2/3 corona Ass'y	FFPVL01A421						1

Discharge lamp	PQ24V10W (7117/21) PQ24V10W-2 (7127/32/33/40)				1		
Exposure lamp	E08V024WN2A*1		1		1		1
Fuser lamp	H12V085WN2A*2				1		

*1 : or JK08V024WF67
*2 : or IK12V085W67

Kit

Numerical Parts Index

Part No.	Description	Page	Ref. No.	Qty Per Unit
42SHA34B5EA	Stepping Motor	P13-1	4	2
CBDM24A4-901	Fan Motor	P32	12	1
CF24DC520923	Optics Fan (7140)	P13-1	32	1
D125J60-36	Bottle Motor (7117/21)	P20	17	1
D125J60-37A	Bottle Motor (7127/32/33/40)	P20	17	1
DMC50040LY	LCD (7132/33/40)	P1	14	1
E08V025WN2A	Exposure Lamp (for North America/Taiwan)	P16	12	1
E08V025WN2A	Exposure Lamp (for North America/Taiwan)	P17	12	1
E16V025WN2A	Exposure Lamp (except North America/Taiwan)	P16	12	1
E16V025WN2A	Exposure Lamp (except North America/Taiwan)	P17	12	1
EDS2	Edge Saddle	P11-1	6	1
EDS2	Edge Saddle	P6	28	1
EDS2	Edge Saddle	P8	17	1
EDS2	Edge Saddle	P12	28	1
EESX461P4	Sensor, Waste Toner	P6	32	1
ERZC10DK781	ZNR	P26	19	1
ESD-R16C	Ferrite Core (for Europe)	P30	34	1
ESE15403	Sensor	P30	21	1
EUKMBN410HA	PCB HVPS (1) (7117/21/27/32/33)	P11-1	21	1
EUKMBN483HA	PCB HVPS (1) (7140)	P11-1	21	1
EUKSBN409HB	PCB HVPS (2)	P11-1	8	1
EYHH04NUC	PCB T.H Sensor	P7	6	1
F921-A14L	Door Switch (except North America)	P6	12	2
F921-A14L	Door Switch (for North America)	P6	12	1
FFPAH0178M	P-ROM (7140)	P11-1	23	1
FFPAH0179M	P-ROM (7132/33)	P11-1	23	1
FFPAH0180M	P-ROM (7127)	P11-1	23	1
FFPAH0181M	P-ROM (7121)	P11-1	23	1
FFPAH0182M	P-ROM (7117)	P11-1	23	1
FFPCP0034	Heater, Dehumidification	P4	4	1
FFPCP0035	Heater, Dehumidification	P14-1	14	2
FFPCP0035	Heater, Dehumidification	P15-1	11	2
FFPCV0008	Total Counter	P3-1	5	1
FFPDA00253	Socket, High Voltage	P11-1	20	1
FFPDA00264	Socket	P22	18	1
FFPDA00271	T-DT Socket	P10	14	1
FFPDC0002	Plastic Cap	P3-2	31	1
FFPDE0035	Corona Terminal	P11-2	29	1
FFPDE00372	Bias Terminal	P10	4	1
FFPDF02081	Grid Lead	P22	16	1
FFPDF0209	Bias AC Lead	P10	3	1
FFPDF0210	Corona Lead	P11-1	28	2
FFPDF0226	Bias Lead (3), Developer	P21-1	11	1
FFPDF0242	Ground Plate	P32	9	1
FFPDF0243	Ground Plate	P26	17	1
FFPDF0244	Ground Plate	P28	11	1
FFPDK01872	Bias Lead (2)	P10	2	1
FFPDN0022	==Not used==	P21-1	15	1
FFPDU0025	Discharge Brush (7117/21)	P34-1	3	1
FFPDU0046	Discharge Brush (7127/32/33/40)	P34-1	3	1

Numerical Parts Index

Part No.	Description	Page	Ref. No.	Qty Per Unit
FFPDU0047	Discharge Brush	P34-1	14	1
FFPDU0062	Discharge Brush	P35	5	1
FFPDU0062	Discharge Brush	P36	27	1
FFPEM0002	Breaker (for North America/Taiwan)	P30	15	1
FFPEM0004	Breaker (except North America/Taiwan)	P30	15	1
FFPEQ0062	Solenoid, Cleaning Web	P10	9	1
FFPEQ0064	Solenoid	P36	28	1
FFPEV0104	Power Cord (for U.K.)	P30	19	1
FFPEV0113	Power Cord (for Taiwan)	P30	19	1
FFPEV0114	Power Cord (for North America)	P30	19	1
FFPEV0120	Power Cord (Others)	P30	19	1
FFPEV0121	Power Cord (for Australia)	P30	19	1
FFPEY0051	Corona Wire 1	P24	13	1
FFPEY0052	Corona Wire 2	P22	12	1
FFPEY0052	Corona Wire 2	P24	12	1
FFPFA0020	Shoulder Screw	P29	28	2
FFPFA0021	Shoulder Screw	P35	8	2
FFPFA0072	Shoulder Screw	P11-1	1	1
FFPFA0072	Shoulder Screw	P6	24	2
FFPFA01091	Shoulder Screw	P5	25	1
FFPFA0111	Screw, Slit Plate	P16	2	5
FFPFA0111	Screw, Slit Plate	P17	2	5
FFPFA0113	Screw, Developer Lever	P5	3	2
FFPFA0114	Shoulder Screw	P11-1	4	2
FFPFA0121	Shoulder Screw	P13-1	40	1
FFPFA0121	Shoulder Screw	P15-1	49	1
FFPFA0121	Shoulder Screw (7127/32/33)	P14-2	48	1
FFPFA0135	Shoulder Screw	P16	37	1
FFPFA0135	Shoulder Screw	P18	17	1
FFPFJ0033	Snap Ring	P20	22	1
FFPFJ0033	Snap Ring	P25-1	19	1
FFPFJ0033	Snap Ring	P26	10	3
FFPFJ0033	Snap Ring	P5	21	1
FFPFJ0033	Snap Ring	P15-1	48	2
FFPFJ0033	Snap Ring	P38	19	2
FFPFJ0033	Snap Ring	P39	17	1
FFPFJ0033	Snap Ring (7121)	P14-1	24	1
FFPFJ0039	Snap Ring	P26	15	1
FFPFJ0039	Snap Ring	P27	12	3
FFPFJ0039	Snap Ring	P29	27	1
FFPGA0042	Lens (7117/21)	P13-1	6	1
FFPGA0044	Lens (7127/32/33/40)	P13-1	6	1
FFPGB00171	Lamp Filter	P5	18	1
FFPGB00201	Filter, Anti-Dust	P12	5	2
FFPGC0152	No.6 Mirror (7117)	P14-1	28	1
FFPGC0153	No.1 Mirror (7117)	P16	16	1
FFPGC0154	Platen Glass	P1	2	1
FFPGC0156	4/5 Mirror (7117)	P14-1	4	2
FFPGC0159	No.2/3 Mirror (7117/)	P18	8	2
FFPGC0160	No.1 Mirror (7121/27/32/33)	P16	16	1

Numerical Parts Index

Part No.	Description	Page	Ref. No.	Qty Per Unit
FFPGC0161	No.2/3 Mirror (7121/27/32/33)	P18	8	2
FFPGC0162	4/5 Mirror	P15-1	4	2
FFPGC0162	4/5 Mirror (7121/32/33)	P14-1	4	2
FFPGC0163	No. 6 Mirror	P15-1	33	1
FFPGC0163	No.6 Mirror (7121/32/33)	P14-1	28	1
FFPGC0169	No.1 Mirror	P17	16	1
FFPGC0170	Main Reflector	P17	9	1
FFPGC0170	Main Reflector (7121)	P16	9	1
FFPGC01701	Main Reflector (7117/27/32/33)	P16	9	1
FFPGC0172	No 2,3 Mirror	P19	3	2
FFPHA0044	Duct 2	P32	11	1
FFPHA00452	Duct 3	P32	5	1
FFPHA00462	Duct 4	P32	7	1
FFPHA00472	Duct	P11-1	11	1
FFPHA0062	Duct, Dust Collector	P23	4	1
FFPHA0063	Duct 1	P7	9	1
FFPHG0036	Recycle Coil	P22	30	1
FFPHH00712	Stirring Paddle	P21-1	10	1
FFPHJ0030	Filter, Dust Collector	P23	6	1
FFPHJ0032	Filter	P11-1	12	1
FFPHJ00331	Ozone Filter (7140)	P7	12	1
FFPHJ00332	Ozone Filter (7117/21/27/32/33)	P7	12	1
FFPHK06331	Cleaning Blade	P22	22	1
FFPHK0634	Slide Sheet	P12	23	1
FFPHK0642	Mylar Sheet	P24	4	1
FFPHK06501	Grid Cleaner	P22	11	1
FFPHK0661	Slide Sheet	P6	3	1
FFPHK0662	Slide Sheet	P6	7	1
FFPHK0672	Bottle Stopper Sheet (7117/21)	P20	31	1
FFPHK0717	Sensor Mark Sheet	P1	9	1
FFPHK0807	Slide Sheet	P13-1	15	1
FFPHK0808	Insulation Sheet	P13-1	1	1
FFPHK0817	Cover Sheet (7127/33/40 for Taiwan)	P12	35	1
FFPHK0818	Cover Sheet (7127/32/40 for North America)	P12	35	1
FFPHK0826	Guide Mylar	P28	15	2
FFPHK0827	Guide Mylar	P40	8	1
FFPHK0849	Slide Sheet (7140)	P20	30	1
FFPHK0860	Fan Sheet	P7	4	1
FFPHK0865	Guide Mylar (7140)	P25-1	12	1
FFPHK0869	Sheet	P15-2	51	1
FFPHK0869	Sheet (7127/32/33)	P14-2	50	1
FFPHK0893	Sheet	P4	15	2
FFPHK0897	Mylar	P5	47	1
FFPHK0901	Insulated Sheet	P15-2	52	2
FFPHK0901	Insulation Sheet	P14-2	51	1
FFPHK0901	Sheet	P4	14	1
FFPHL0010	Dumper (7127/32/33)	P14-2	42	1
FFPHL0010	Rubber, Anti-Vibration	P15-1	23	1
FFPHL0012	Dumper (7117/21)	P14-2	42	1
FFPHP05531	Seal	P21-1	25	2

Numerical Parts Index

Part No.	Description	Page	Ref. No.	Qty Per Unit
FFPHP06342	Seal	P20	13	1
FFPHP06352	Side Seal, Rear	P22	35	1
FFPHP06382	Side Seal, Front	P22	32	1
FFPHP0650	Sponge Seal 9	P22	33	2
FFPHP06511	Sponge Seal 10	P22	34	1
FFPHP0652	Sponge Seal 11	P22	21	1
FFPHP06562	Side Seal, Developer	P21-1	21	1
FFPHP06732	Side Seal, Developer	P21-1	17	1
FFPHP0696	Side Seal L	P21-1	34	1
FFPHP0697	Side Seal R	P21-1	35	1
FFPHP0699	Blade Seal	P22	42	1
FFPHP0700	Cover Seal	P23	1	1
FFPHP0701	Duct Seal	P23	3	1
FFPHP0702	Duct Seal	P23	5	1
FFPHQ00311	Spacer Ring (7127/32/33)	P21-1	13	2
FFPHQ0034	Roller Coupling	P5	29	1
FFPHQ0041	Spacer Ring (7140)	P21-1	13	2
FFPHQ0042	Spacer Ring (7117/21)	P21-1	13	2
FFPJA02271	Lid, Corona Lead	P11-1	26	1
FFPJA0228	Corona Lid, Front	P22	3	1
FFPJA0229	Corona Lid, Rear	P22	15	1
FFPJA02301	Corona Base, Rear	P22	19	1
FFPJA02326	Corona Block, Front	P24	8	1
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KGLS6S	Locking Spacer	P30	32	3
LWS1NA	Locking Wire Saddle	P13-2	46	3
LWS1NA	Locking Wire Saddle	P14-1	31	2
LWS1NA	Locking Wire Saddle	P15-1	38	2
LWS1S	Locking Wire Saddle	P10	19	4
LWS1S	Locking Wire Saddle	P11-2	31	3
LWS1S	Locking Wire Saddle	P20	26	1
LWS1S	Locking Wire Saddle	P27	33	1
LWS1S	Locking Wire Saddle	P30	28	4
LWS1S	Locking Wire Saddle	P4	12	5
LWS1S	Locking Wire Saddle	P6	29	7
LWS2NA	Locking Wire Saddle	P11-1	5	2
LWS2NA	Locking Wire Saddle	P14-1	32	1
LWS2NA	Locking Wire Saddle	P15-1	37	1
LWS2NS	Locking Wire Saddle	P4	13	6
PQ24V10W	Discharge Lamp (7117/21)	P5	33	1
PQ24V10W-2	Discharge Lamp (7127/32/33/40)	P5	33	1
PVX24C4LA	Main Motor (7121/27/32/33)	P8	9	1
PVX24C4WA	Main Motor (7117)	P8	9	1
PVX26C4LA	Main Motor (7140)	P8	9	1
S06D24DURC1	Suction Fan	P23	8	1
SH48I40	Choke Coil (for Europe)	P30	33	1
SIG8226-1BB	Power Switch	P6	22	1
SO8C24DURC1	Exhaust Fan	P7	3	2
SR6N4	Cord Bushing (for Europe)	P30	29	1
TB1520	Bushing	P7	18	1
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TS15A20-09	Toner Sensor	P20	10	1
UAMS05S2	Clamp	P4	9	3
UAMS05S2	Clamp	P10	20	4
UAMS05S2	Clamp	P12	27	1
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UAMS05S2	Clamp	P36	41	2
UAMS05S2	Clamp	P5	45	1
UAMS05S2	Clamp	P6	30	1
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UAMS05S2	Clamp 2	P29	31	2
VC210FA	Noise Filter (except North America)	P30	12	1
VU215F3	Noise Filter (for North America)	P30	12	1
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XPJ2D10WV	Pin	P29	36	1
XPJ2D12WV	Pin	P21-2	50	1
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XPJ2D16WV	Pin	P8	19	4
XPL2A12WV	Spring Pin	P21-2	45	1
XPL3A12WV	Spring Pin	P10	10	1
XPL3A16W	Pin	P36	47	1
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XSB3+6	Screw	P13-2	48	2
XSB3+F6	Screw	P37	18	1
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XST4+6FN	Screw	P1	16	3
XTB3+10F	Screw	P16	28	1
XTB3+10F	Screw	P17	28	1
XTB3+10G	Screw	P21-1	37	4
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XTB3+6F	Screw	P4	11	8
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XTB3+8F	Screw	P5	39	1
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XTB3+8G	Screw	P7	22	2
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XTB3+8G	Screw	P39	29	7
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XTB4+10G	Screw	P21-2	47	1
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XTN4+F8	Screw	P35	31	2
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XTT4+8FFN	Screw	P40	27	4
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